



# results of BLAST

## BLASTP 2.2.10 [Oct-19-2004]

### Reference:

Altschul, Stephen F., Thomas L. Madden, Alejandro A. Schäffer, Jinghui Zhang, Zheng Zhang, Webb Miller, and David J. Lipman (1997), "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs", Nucleic Acids Res. 25:3389-3402.

RID: 1109098562-18357-122032509583.BLASTQ2

### **Query=**

(378 letters)

SEQ ID NO: 2

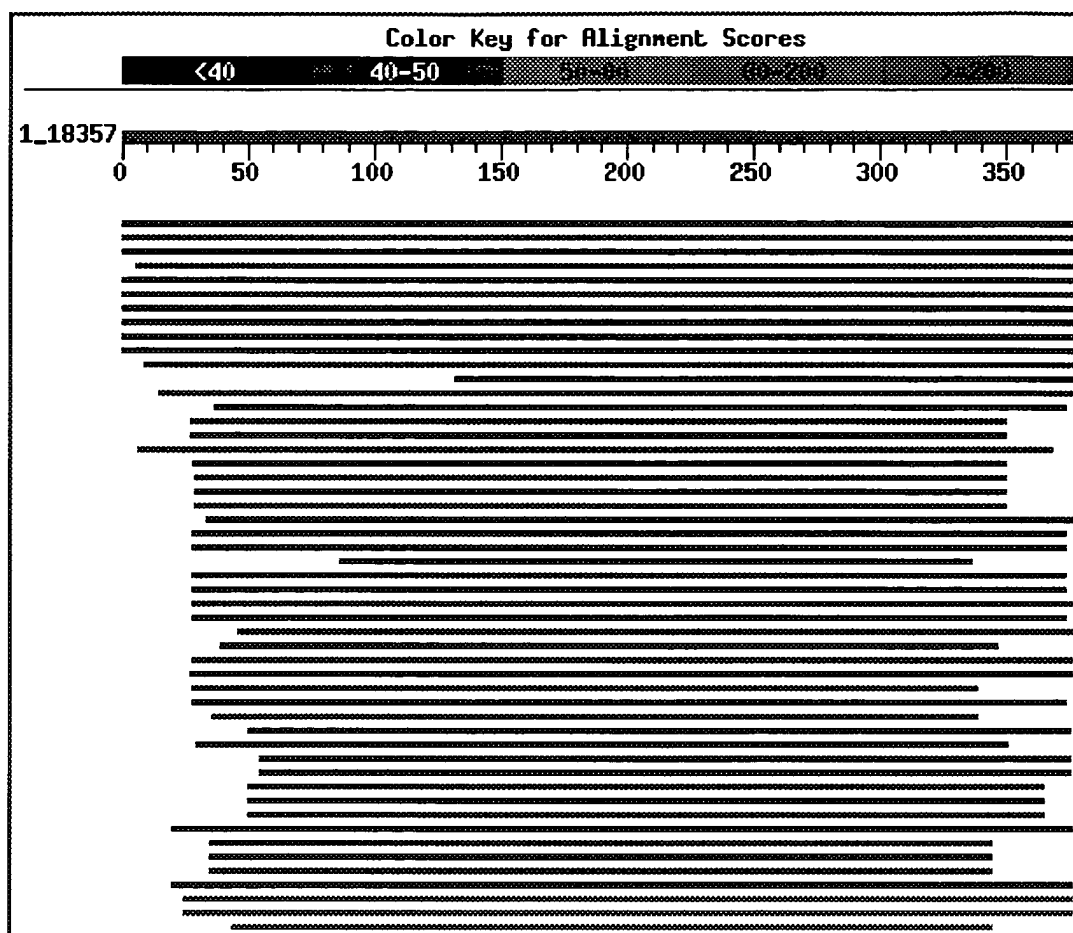
**Database:** All non-redundant GenBank CDS  
translations+PDB+SwissProt+PIR+PRF excluding environmental samples  
2,331,049 sequences; 790,373,496 total letters

If you have any problems or questions with the results of this search  
please refer to the [BLAST FAQs](#)

[Taxonomy reports](#)

## Distribution of 501 Blast Hits on the Query Sequence

Mouse-over to show define and scores. Click to show alignments



Sequences producing significant alignments:	Score (bits)	E Value
<a href="#">gi 422826 pir  A45680</a> G protein-coupled peptide receptor EB...	<a href="#">688</a>	0.0
<a href="#">gi 4502641 ref NP_001829.1 </a> chemokine (C-C motif) receptor ...	<a href="#">682</a>	0.0
<a href="#">gi 31127005 qb AAN47099.2 </a> CC chemokine receptor 7 [Macaca ...	<a href="#">675</a>	0.0
<a href="#">gi 55645367 ref XP_511477.1 </a> PREDICTED: chemokine (C-C moti...	<a href="#">669</a>	0.0
<a href="#">gi 56553516 qb AAV97930.1 </a> chemokine receptor 7 [Bos taurus]	<a href="#">635</a>	0.0
<a href="#">gi 48374059 ref NP_001001532.1 </a> chemokine (C-C motif) recep...	<a href="#">634</a>	e-180
<a href="#">gi 57091575 ref XP_548131.1 </a> PREDICTED: similar to chemokin...	<a href="#">625</a>	e-178
<a href="#">gi 26332358 db BAC29909.1 </a> unnamed protein product [Mus mu...	<a href="#">603</a>	e-171
<a href="#">gi 6671772 ref NP_031745.1 </a> chemokine (C-C motif) receptor ...	<a href="#">601</a>	e-171
<a href="#">gi 58477681 qb AAH89762.1 </a> Chemokine (C-C motif) receptor 7...	<a href="#">601</a>	e-170
<a href="#">gi 50760889 ref XP_425875.1 </a> PREDICTED: similar to CC chemo...	<a href="#">421</a>	e-116
<a href="#">gi 33415854 qb AAQ18436.1 </a> chemokine receptor 7 [Bos taurus]	<a href="#">409</a>	e-113
<a href="#">gi 49118818 gb AAH73273.1 </a> MGC80638 protein [Xenopus laevis]	<a href="#">375</a>	e-102
<a href="#">gi 47223975 emb CAG06152.1 </a> unnamed protein product [Tetrao...	<a href="#">286</a>	9e-76
<a href="#">gi 14043042 ref NP_112477.1 </a> chemokine (C-C motif) receptor...	<a href="#">251</a>	2e-65
<a href="#">gi 14043044 ref NP_006632.2 </a> chemokine (C-C motif) receptor...	<a href="#">251</a>	2e-65
<a href="#">gi 57101682 ref XP_541909.1 </a> PREDICTED: similar to chemokin...	<a href="#">250</a>	4e-65
<a href="#">gi 6753462 ref NP_034043.1 </a> chemokine (C-C motif) receptor ...	<a href="#">247</a>	3e-64

<a href="#">gi 27229230 ref NP_758832.1 </a>	chemokine (C-C motif) receptor...	<a href="#">247</a>	<a href="#">4e-64</a>	<a href="#">G</a>
<a href="#">gi 48675913 ref NP_001001624.1 </a>	chemokine C-C motif recepto...	<a href="#">245</a>	<a href="#">1e-63</a>	<a href="#">G</a>
<a href="#">gi 41688290 dbj BAD08644.1 </a>	chemokine (C-C motif) receptor ...	<a href="#">245</a>	<a href="#">1e-63</a>	<a href="#">G</a>
<a href="#">gi 34853814 ref XP_217862.2 </a>	similar to G protein-coupled r...	<a href="#">231</a>	<a href="#">2e-59</a>	<a href="#">G</a>
<a href="#">gi 1668738 emb CAB02144.1 </a>	G PROTEIN-COUPLED RECEPTOR CKR-L...	<a href="#">229</a>	<a href="#">1e-58</a>	<a href="#">G</a>
<a href="#">gi 37188165 ref NP_113597.2 </a>	chemokine (C-C motif) receptor...	<a href="#">229</a>	<a href="#">1e-58</a>	<a href="#">G</a>
<a href="#">gi 47221187 emb CAG05508.1 </a>	unnamed protein product [Tetrao...	<a href="#">229</a>	<a href="#">1e-58</a>	
<a href="#">gi 55627742 ref XP_527565.1 </a>	PREDICTED: chemokine (C-C moti...	<a href="#">228</a>	<a href="#">2e-58</a>	<a href="#">G</a>
<a href="#">gi 1870669 gb AAC51125.1 </a>	G protein-coupled receptor [Homo ...	<a href="#">228</a>	<a href="#">2e-58</a>	<a href="#">G</a>
<a href="#">gi 24137229 gb AAN47098.1 </a>	CC chemokine receptor 6 [Macaca ...	<a href="#">228</a>	<a href="#">3e-58</a>	
<a href="#">gi 6753318 ref NP_033965.1 </a>	chemokine (C-C motif) receptor ...	<a href="#">228</a>	<a href="#">3e-58</a>	<a href="#">G</a>
<a href="#">gi 2655885 emb CAA05917.1 </a>	chemokine receptor [Oncorhynchus...	<a href="#">227</a>	<a href="#">5e-58</a>	
<a href="#">gi 50741692 ref XP_419608.1 </a>	PREDICTED: similar to C-C chem...	<a href="#">226</a>	<a href="#">8e-58</a>	<a href="#">G</a>
<a href="#">gi 5478218 dbj BAA82443.1 </a>	CC Chemokine LARC specific recep...	<a href="#">223</a>	<a href="#">5e-57</a>	<a href="#">G</a>
<a href="#">gi 57032273 ref XP_541197.1 </a>	PREDICTED: hypothetical protei...	<a href="#">223</a>	<a href="#">7e-57</a>	<a href="#">G</a>
<a href="#">gi 34740125 dbj BAC87714.1 </a>	C-C chemokine receptor 9 [Paral...	<a href="#">222</a>	<a href="#">1e-56</a>	
<a href="#">gi 1515435 gb AAB06949.1 </a>	IL8-related receptor [Homo sapiens]	<a href="#">221</a>	<a href="#">2e-56</a>	<a href="#">G</a>
<a href="#">gi 47212478 emb CAF90274.1 </a>	unnamed protein product [Tetrao...	<a href="#">217</a>	<a href="#">4e-55</a>	
<a href="#">gi 48675917 ref NP_001001623.1 </a>	chemokine C-X-C motif recep...	<a href="#">214</a>	<a href="#">2e-54</a>	<a href="#">G</a>
<a href="#">gi 52354647 gb AAH82897.1 </a>	LOC494782 protein [Xenopus laevis]	<a href="#">213</a>	<a href="#">7e-54</a>	<a href="#">G</a>
<a href="#">gi 11342662 gb AAG34367.1 </a>	chemokine receptor CXCR6 [Mus mu...	<a href="#">213</a>	<a href="#">9e-54</a>	<a href="#">G</a>
<a href="#">gi 13507658 ref NP_109637.1 </a>	chemokine (C-X-C motif) recept...	<a href="#">211</a>	<a href="#">4e-53</a>	<a href="#">G</a>
<a href="#">gi 59857715 gb AAX08692.1 </a>	G protein-coupled receptor TYMST...	<a href="#">207</a>	<a href="#">3e-52</a>	
<a href="#">gi 59857629 gb AAX08649.1 </a>	G protein-coupled receptor TYMST...	<a href="#">205</a>	<a href="#">2e-51</a>	
<a href="#">gi 59858157 gb AAX08913.1 </a>	G protein-coupled receptor TYMST...	<a href="#">204</a>	<a href="#">3e-51</a>	
<a href="#">gi 30795217 ref NP_848540.1 </a>	chemokine (C-C motif) receptor...	<a href="#">204</a>	<a href="#">4e-51</a>	<a href="#">G</a>
<a href="#">gi 15028430 gb AAK81712.1 </a>	chemokine receptor CCR11 [Mus mu...	<a href="#">203</a>	<a href="#">6e-51</a>	<a href="#">G</a>
<a href="#">gi 26326635 dbj BAC27061.1 </a>	unnamed protein product [Mus mu...	<a href="#">202</a>	<a href="#">1e-50</a>	<a href="#">G</a>
<a href="#">gi 21746187 ref NP_663746.1 </a>	chemokine (C-C motif) receptor...	<a href="#">202</a>	<a href="#">1e-50</a>	<a href="#">G</a>
<a href="#">gi 55621142 ref XP_526311.1 </a>	PREDICTED: chemokine (C-C moti...	<a href="#">202</a>	<a href="#">2e-50</a>	<a href="#">G</a>
<a href="#">gi 59857673 gb AAX08671.1 </a>	chemokine (C-C motif) receptor-l...	<a href="#">198</a>	<a href="#">2e-49</a>	
<a href="#">gi 27806269 ref NP_776690.1 </a>	chemokine (C-C motif) receptor...	<a href="#">197</a>	<a href="#">3e-49</a>	<a href="#">G</a>
<a href="#">gi 42557662 emb CAF28781.1 </a>	C-C chemokine receptor 9 like [...	<a href="#">197</a>	<a href="#">5e-49</a>	
<a href="#">gi 50733072 ref XP_426014.1 </a>	PREDICTED: similar to C-C chem...	<a href="#">197</a>	<a href="#">5e-49</a>	<a href="#">G</a>
<a href="#">gi 50978648 ref NP_001003020.1 </a>	CC chemokine receptor 4 [Ca...	<a href="#">196</a>	<a href="#">9e-49</a>	<a href="#">G</a>
<a href="#">gi 2258402 gb AAB64225.1 </a>	Bonzo [Cercopithecus aethiops] >g...	<a href="#">194</a>	<a href="#">3e-48</a>	
<a href="#">gi 4877755 gb AAD31419.1 </a>	chemokine receptor bonzo [Macaca ...	<a href="#">194</a>	<a href="#">3e-48</a>	
<a href="#">gi 32481999 gb AAP84352.1 </a>	chemokine receptor 4 [Homo sapie...	<a href="#">194</a>	<a href="#">4e-48</a>	<a href="#">G</a>
<a href="#">gi 50733078 ref XP_426017.1 </a>	PREDICTED: similar to CC chemo...	<a href="#">194</a>	<a href="#">4e-48</a>	<a href="#">G</a>
<a href="#">gi 6467137 dbj BAA86966.1 </a>	b-chemokine receptor CCR4 [Homo ...	<a href="#">194</a>	<a href="#">4e-48</a>	<a href="#">G</a>
<a href="#">gi 6467141 dbj BAA86968.1 </a>	b-chemokine receptor CCR4 [Homo ...	<a href="#">194</a>	<a href="#">4e-48</a>	<a href="#">G</a>
<a href="#">gi 26449155 ref NP_598216.2 </a>	chemokine (C-C) receptor 4 [Ra...	<a href="#">193</a>	<a href="#">6e-48</a>	<a href="#">G</a>
<a href="#">gi 13430093 gb AAK25742.1 </a>	orphan seven transmembrane recep...	<a href="#">193</a>	<a href="#">6e-48</a>	
<a href="#">gi 2258400 gb AAB64224.1 </a>	Bonzo [Macaca nemestrina] >gi 312...	<a href="#">193</a>	<a href="#">8e-48</a>	
<a href="#">gi 7716472 gb AAF68392.1 </a>	STRL33 [Cercopithecus torquatus atys]	<a href="#">192</a>	<a href="#">1e-47</a>	
<a href="#">gi 57113977 ref NP_001009051.1 </a>	chemokine (C-X-C motif) rec...	<a href="#">192</a>	<a href="#">2e-47</a>	<a href="#">G</a>
<a href="#">gi 915274 gb AAA92582.1 </a>	chemokine receptor [Mus musculus]	<a href="#">191</a>	<a href="#">3e-47</a>	<a href="#">G</a>
<a href="#">gi 32482007 gb AAP84356.1 </a>	chemokine receptor 6 [Homo sapie...	<a href="#">190</a>	<a href="#">5e-47</a>	<a href="#">G</a>
<a href="#">gi 10716828 gb AAG21918.1 </a>	mutant G protein-coupled recepto...	<a href="#">190</a>	<a href="#">5e-47</a>	<a href="#">G</a>

gi 50760178 ref XP_417922.1	PREDICTED: similar to putative...	190	6e-47	G
gi 6857773 ref NP_034046.1	chemokine (C-C motif) receptor ...	189	1e-46	G
gi 2209288 gb AAB61457.1	G protein-coupled receptor STRL33...	189	1e-46	G
gi 18034375 gb AAL57488.1	CC-chemokine receptor 4 [Cavia p...	187	4e-46	
gi 840784 emb CAA48723.1	MDCR15 protein [Homo sapiens] >gi...	187	4e-46	G
gi 56553518 gb AAV97931.1	chemokine receptor 3 [Bos taurus...	187	5e-46	G
gi 5514619 gb AAD44012.1	CC chemokine receptor type 5 [Cer...	187	5e-46	
gi 5713011 gb AAD47707.1	C-C chemokine receptor 5 [Macaca ...	186	7e-46	
gi 6753458 ref NP_034040.1	chemokine (C-X-C motif) recepto...	186	7e-46	G
gi 27753515 db BAC55184.1	CXC chemokine receptor 3 [Capra...	186	7e-46	
gi 5514617 gb AAD44010.1	CC chemokine receptor type 5 [Cer...	186	7e-46	
gi 5713013 gb AAD47709.1	C-C chemokine receptor 5 [Macaca ...	186	9e-46	
gi 5514623 gb AAD44016.1	CC chemokine receptor type 5 [Cer...	186	9e-46	
gi 5514622 gb AAD44015.1	CC chemokine receptor type 5 [Cer...	186	9e-46	
gi 3282810 gb AAC40163.1	chemokine receptor CXCR3 [Mus mus...	186	9e-46	G
gi 14589869 ref NP_116743.1	Burkitt lymphoma receptor 1 is...	186	1e-45	G
gi 4502415 ref NP_001707.1	Burkitt lymphoma receptor 1 iso...	186	1e-45	G
gi 5579304 gb AAD45497.1	CC chemokine receptor type 5 [Cer...	186	1e-45	
gi 5713106 gb AAD47802.1	C-C chemokine receptor 5 [Cercopi...	185	2e-45	
gi 5713039 gb AAD47735.1	C-C chemokine receptor 5 [Macaca ...	185	2e-45	
gi 33578093 gb AAQ22367.1	CC chemokine receptor 5 [Macaca ...	185	2e-45	
gi 4406111 gb AAD19862.1	C-C chemokine receptor type 5 [Ma...	185	2e-45	
gi 5713068 gb AAD47764.1	C-C chemokine receptor 5 [Varecia...	185	2e-45	
gi 12407353 gb AAG53465.1	CC chemokine receptor type 5 [Ce...	185	2e-45	
gi 57111007 ref XP_536065.1	PREDICTED: similar to interleu...	184	3e-45	G
gi 5713098 gb AAD47794.1	C-C chemokine receptor 5 [Cercopi...	184	3e-45	
gi 5713044 gb AAD47740.1	C-C chemokine receptor 5 [Macaca ...	184	3e-45	
gi 5713043 gb AAD47739.1	C-C chemokine receptor 5 [Macaca ...	184	3e-45	
gi 5713035 gb AAD47731.1	C-C chemokine receptor 5 [Macaca ...	184	3e-45	
gi 5713031 gb AAD47727.1	C-C chemokine receptor 5 [Macaca ...	184	3e-45	
gi 5713029 gb AAD47725.1	C-C chemokine receptor 5 [Macaca ...	184	3e-45	
gi 5713028 gb AAD47724.1	C-C chemokine receptor 5 [Macaca ...	184	3e-45	
gi 5713017 gb AAD47713.1	C-C chemokine receptor 5 [Macaca ...	184	3e-45	
gi 5579302 gb AAD45495.1	CC chemokine receptor type 5 [Cer...	184	3e-45	
gi 5514618 gb AAD44011.1	CC chemokine receptor type 5 [Cer...	184	3e-45	
gi 4102994 gb AAD01639.1	G-protein coupled chemokine recep...	184	3e-45	
gi 13873087 gb AAK43369.1	C-C chemokine receptor 5 [Miopit...	184	3e-45	
gi 2088633 gb AAC34132.1	chemokine receptor CCR5 [Macaca m...	184	3e-45	
gi 5713016 gb AAD47712.1	C-C chemokine receptor 5 [Macaca ...	184	4e-45	
gi 4894982 gb AAD32685.1	CC chemokine receptor 5 [Papio cy...	184	4e-45	
gi 13873073 gb AAK43362.1	C-C chemokine receptor 5 [Erythr...	184	4e-45	
gi 42475950 ref NP_031577.2	Burkitt lymphoma receptor 1 [M...	184	5e-45	G
gi 5713110 gb AAD47806.1	C-C chemokine receptor 5 [Erythro...	184	5e-45	
gi 5713105 gb AAD47801.1	C-C chemokine receptor 5 [Cercopi...	184	5e-45	
gi 5713069 gb AAD47765.1	C-C chemokine receptor 5 [Lemur c...	184	5e-45	
gi 5713045 gb AAD47741.1	C-C chemokine receptor 5 [Macaca ...	184	5e-45	
gi 5713033 gb AAD47729.1	C-C chemokine receptor 5 [Macaca ...	184	5e-45	
gi 5579303 gb AAD45496.1	CC chemokine receptor type 5 [Cer...	184	5e-45	
gi 5514621 gb AAD44014.1	CC chemokine receptor type 5 [Cer...	184	5e-45	
gi 5514615 gb AAD44008.1	CC chemokine receptor type 5 [Cer...	184	5e-45	
gi 4426827 gb AAD20555.1	CC chemokine receptor 5 [Cercopit...	184	5e-45	
gi 2347108 gb AAC51795.1	CC chemokine receptor-5 [Cercopit...	184	5e-45	
gi 1002741 gb AAC50505.1	GPR9	183	6e-45	G
gi 4504099 ref NP_001495.1	chemokine (C-X-C motif) recepto...	183	6e-45	G
gi 5713112 gb AAD47808.1	C-C chemokine receptor 5 [Erythro...	183	6e-45	
gi 5713108 gb AAD47804.1	C-C chemokine receptor 5 [Erythro...	183	6e-45	

<a href="#">gi 5713100 gb AAD47796.1 </a>	C-C chemokine receptor 5 [Cercopi...	<a href="#">183</a>	<a href="#">6e-45</a>	
<a href="#">gi 5713090 gb AAD47786.1 </a>	C-C chemokine receptor 5 [Cercopi...	<a href="#">183</a>	<a href="#">6e-45</a>	
<a href="#">gi 5713081 gb AAD47777.1 </a>	C-C chemokine receptor 5 [Cercopi...	<a href="#">183</a>	<a href="#">6e-45</a>	
<a href="#">gi 5713065 gb AAD47761.1 </a>	C-C chemokine receptor 5 [Cercopi...	<a href="#">183</a>	<a href="#">6e-45</a>	
<a href="#">gi 31455576 gb AAP55851.1 </a>	CXC chemokine receptor transcrip...	<a href="#">183</a>	<a href="#">6e-45</a>	<b>G</b>
<a href="#">gi 2305194 gb AAB65738.1 </a>	CCR5 receptor [Pan troglodytes]	<a href="#">183</a>	<a href="#">6e-45</a>	<b>G</b>
<a href="#">gi 5514620 gb AAD44013.1 </a>	CC chemokine receptor type 5 [Cer...	<a href="#">183</a>	<a href="#">6e-45</a>	
<a href="#">gi 3135302 gb AAC39833.1 </a>	chemokine receptor CCR5 [Cercoc...	<a href="#">183</a>	<a href="#">6e-45</a>	
<a href="#">gi 5713099 gb AAD47795.1 </a>	C-C chemokine receptor 5 [Cercopi...	<a href="#">183</a>	<a href="#">8e-45</a>	
<a href="#">gi 5713092 gb AAD47788.1 </a>	C-C chemokine receptor 5 [Erythro...	<a href="#">183</a>	<a href="#">8e-45</a>	
<a href="#">gi 5713091 gb AAD47787.1 </a>	C-C chemokine receptor 5 [Mandrill...	<a href="#">183</a>	<a href="#">8e-45</a>	
<a href="#">gi 5713070 gb AAD47766.1 </a>	C-C chemokine receptor 5 [Lemur c...	<a href="#">183</a>	<a href="#">8e-45</a>	
<a href="#">gi 5713051 gb AAD47747.1 </a>	C-C chemokine receptor 5 [Papio p...	<a href="#">183</a>	<a href="#">8e-45</a>	
<a href="#">gi 5713038 gb AAD47734.1 </a>	C-C chemokine receptor 5 [Macaca ...]	<a href="#">183</a>	<a href="#">8e-45</a>	
<a href="#">gi 5713022 gb AAD47718.1 </a>	C-C chemokine receptor 5 [Macaca ...]	<a href="#">183</a>	<a href="#">8e-45</a>	
<a href="#">gi 5713019 gb AAD47715.1 </a>	C-C chemokine receptor 5 [Macaca ...]	<a href="#">183</a>	<a href="#">8e-45</a>	
<a href="#">gi 14582847 gb AAK69684.1 </a>	chemokine receptor CCR5 [Cercoc...	<a href="#">183</a>	<a href="#">8e-45</a>	
<a href="#">gi 2281710 emb CAB02143.1 </a>	G PROTEIN-COUPLED RECEPTOR CKR-L...	<a href="#">183</a>	<a href="#">8e-45</a>	<b>G</b>
<a href="#">gi 3135298 gb AAC39831.1 </a>	chemokine receptor CCR5 [Cercoc...	<a href="#">183</a>	<a href="#">8e-45</a>	
<a href="#">gi 433947 emb CAA50673.1 </a>	muBLR1 [Mus musculus] >gi 631736 ...	<a href="#">182</a>	<a href="#">1e-44</a>	<b>G</b>
<a href="#">gi 5713084 gb AAD47780.1 </a>	C-C chemokine receptor 5 [Cercopi...	<a href="#">182</a>	<a href="#">1e-44</a>	
<a href="#">gi 5713066 gb AAD47762.1 </a>	C-C chemokine receptor 5 [Cercopi...	<a href="#">182</a>	<a href="#">1e-44</a>	
<a href="#">gi 3694849 gb AAC62472.1 </a>	chemokine receptor CCR5 [Cercoc...	<a href="#">182</a>	<a href="#">1e-44</a>	
<a href="#">gi 50732852 ref XP_418795.1 </a>	PREDICTED: similar to C-C chem...	<a href="#">182</a>	<a href="#">1e-44</a>	<b>G</b>
<a href="#">gi 4406105 gb AAD19859.1 </a>	C-C chemokine receptor type 5 [Py...	<a href="#">182</a>	<a href="#">1e-44</a>	
<a href="#">gi 4406101 gb AAD19857.1 </a>	C-C chemokine receptor type 5 [Py...	<a href="#">182</a>	<a href="#">1e-44</a>	
<a href="#">gi 4406097 gb AAD19855.1 </a>	C-C chemokine receptor type 5 [Tr...	<a href="#">182</a>	<a href="#">1e-44</a>	
<a href="#">gi 4406095 gb AAD19854.1 </a>	C-C chemokine receptor type 5 [Tr...	<a href="#">182</a>	<a href="#">1e-44</a>	
<a href="#">gi 4894984 gb AAD32686.1 </a>	CC chemokine receptor 5 [Cercopit...	<a href="#">182</a>	<a href="#">1e-44</a>	
<a href="#">gi 13873077 gb AAK43364.1 </a>	C-C chemokine receptor 5 [Colobu...	<a href="#">182</a>	<a href="#">1e-44</a>	
<a href="#">gi 57101678 ref XP_541907.1 </a>	PREDICTED: similar to chemokin...	<a href="#">182</a>	<a href="#">1e-44</a>	<b>G</b>
<a href="#">gi 5713074 gb AAD47770.1 </a>	C-C chemokine receptor 5 [Saguinu...	<a href="#">182</a>	<a href="#">1e-44</a>	
<a href="#">gi 5713053 gb AAD47749.1 </a>	C-C chemokine receptor 5 [Papio p...	<a href="#">182</a>	<a href="#">1e-44</a>	
<a href="#">gi 4406107 gb AAD19860.1 </a>	C-C chemokine receptor type 5 [Py...	<a href="#">182</a>	<a href="#">1e-44</a>	
<a href="#">gi 5514614 gb AAD44007.1 </a>	CC chemokine receptor type 5 [Pan...	<a href="#">182</a>	<a href="#">1e-44</a>	
<a href="#">gi 13873097 gb AAK43374.1 </a>	C-C chemokine receptor 5 [Therop...	<a href="#">182</a>	<a href="#">1e-44</a>	
<a href="#">gi 13873079 gb AAK43365.1 </a>	C-C chemokine receptor 5 [Nasali...	<a href="#">182</a>	<a href="#">1e-44</a>	
<a href="#">gi 13873069 gb AAK43360.1 </a>	C-C chemokine receptor 5 [Mandri...	<a href="#">182</a>	<a href="#">1e-44</a>	
<a href="#">gi 5713113 gb AAD47809.1 </a>	C-C chemokine receptor 5 [Erythro...	<a href="#">182</a>	<a href="#">2e-44</a>	
<a href="#">gi 5713064 gb AAD47760.1 </a>	C-C chemokine receptor 5 [Colobus...	<a href="#">182</a>	<a href="#">2e-44</a>	
<a href="#">gi 5713056 gb AAD47752.1 </a>	C-C chemokine receptor 5 [Papio p...	<a href="#">182</a>	<a href="#">2e-44</a>	
<a href="#">gi 5713020 gb AAD47716.1 </a>	C-C chemokine receptor 5 [Macaca ...]	<a href="#">182</a>	<a href="#">2e-44</a>	
<a href="#">gi 5712951 gb AAD47647.1 </a>	C-C chemokine receptor 5 [Hylobat...	<a href="#">182</a>	<a href="#">2e-44</a>	
<a href="#">gi 2896820 gb AAC03243.1 </a>	chemokine receptor CCR5 [Rattus n...	<a href="#">182</a>	<a href="#">2e-44</a>	<b>G</b>
<a href="#">gi 4894980 gb AAD32684.1 </a>	CC chemokine receptor 5 [Colobus ...]	<a href="#">182</a>	<a href="#">2e-44</a>	
<a href="#">gi 4426832 gb AAD20560.1 </a>	CC chemokine receptor 5 [Gorilla ...]	<a href="#">182</a>	<a href="#">2e-44</a>	
<a href="#">gi 13873121 gb AAK43386.1 </a>	C-C chemokine receptor 5 [Gorill...	<a href="#">182</a>	<a href="#">2e-44</a>	
<a href="#">gi 13873067 gb AAK43359.1 </a>	C-C chemokine receptor 5 [Mandri...	<a href="#">182</a>	<a href="#">2e-44</a>	
<a href="#">gi 12407355 gb AAG53466.1 </a>	CC chemokine receptor type 5 [Ce...	<a href="#">182</a>	<a href="#">2e-44</a>	
<a href="#">gi 56553514 gb AAV97929.1 </a>	chemokine receptor 5 [Bos taurus...	<a href="#">181</a>	<a href="#">2e-44</a>	<b>G</b>
<a href="#">gi 5713104 gb AAD47800.1 </a>	C-C chemokine receptor 5 [Cercopi...	<a href="#">181</a>	<a href="#">2e-44</a>	
<a href="#">gi 5713096 gb AAD47792.1 </a>	C-C chemokine receptor 5 [Cercopi...	<a href="#">181</a>	<a href="#">2e-44</a>	
<a href="#">gi 5713082 gb AAD47778.1 </a>	C-C chemokine receptor 5 [Cercopi...	<a href="#">181</a>	<a href="#">2e-44</a>	
<a href="#">gi 5713048 gb AAD47744.1 </a>	C-C chemokine receptor 5 [Papio p...	<a href="#">181</a>	<a href="#">2e-44</a>	
<a href="#">gi 5713037 gb AAD47733.1 </a>	C-C chemokine receptor 5 [Macaca ...]	<a href="#">181</a>	<a href="#">2e-44</a>	
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<a href="#">gi 5712949 gb AAD47645.1 </a>	C-C chemokine receptor 5 [Hylobat...	<a href="#">181</a>	<a href="#">2e-44</a>	

<a href="#">gi 4426824 gb AAD20552.1 </a>	CC chemokine receptor 5 [Macaca a...	<a href="#">181</a>	<a href="#">2e-44</a>	
<a href="#">gi 4426823 gb AAD20551.1 </a>	CC chemokine receptor 5 [Macaca n...	<a href="#">181</a>	<a href="#">2e-44</a>	
<a href="#">gi 2245620 gb AAB62557.1 </a>	CC chemokine receptor-5 [Pan trog...	<a href="#">181</a>	<a href="#">2e-44</a>	<b>G</b>
<a href="#">gi 5713114 gb AAD47810.1 </a>	C-C chemokine receptor 5 [Erythro...	<a href="#">181</a>	<a href="#">3e-44</a>	
<a href="#">gi 5713083 gb AAD47779.1 </a>	C-C chemokine receptor 5 [Hylobat...	<a href="#">181</a>	<a href="#">3e-44</a>	
<a href="#">gi 5713073 gb AAD47769.1 </a>	C-C chemokine receptor 5 [Varecia...	<a href="#">181</a>	<a href="#">3e-44</a>	
<a href="#">gi 5713071 gb AAD47767.1 </a>	C-C chemokine receptor 5 [Lemur c...	<a href="#">181</a>	<a href="#">3e-44</a>	
<a href="#">gi 5713058 gb AAD47754.1 </a>	C-C chemokine receptor 5 [Mandrill...	<a href="#">181</a>	<a href="#">3e-44</a>	
<a href="#">gi 5713009 gb AAD47705.1 </a>	C-C chemokine receptor 5 [Cercopi...	<a href="#">181</a>	<a href="#">3e-44</a>	
<a href="#">gi 5712958 gb AAD47654.1 </a>	C-C chemokine receptor 5 [Gorilla...	<a href="#">181</a>	<a href="#">3e-44</a>	
<a href="#">gi 5712955 gb AAD47651.1 </a>	C-C chemokine receptor 5 [Gorilla...	<a href="#">181</a>	<a href="#">3e-44</a>	
<a href="#">gi 16758152 ref NP_445867.1 </a>	chemokine (C-X-C motif) recept...	<a href="#">181</a>	<a href="#">3e-44</a>	<b>G</b>
<a href="#">gi 4406113 gb AAD19863.1 </a>	C-C chemokine receptor type 5 [Hy...	<a href="#">181</a>	<a href="#">3e-44</a>	
<a href="#">gi 4406103 gb AAD19858.1 </a>	C-C chemokine receptor type 5 [Po...	<a href="#">181</a>	<a href="#">3e-44</a>	
<a href="#">gi 13873113 gb AAK43382.1 </a>	C-C chemokine receptor 5 [Hyloba...	<a href="#">181</a>	<a href="#">3e-44</a>	
<a href="#">gi 13873083 gb AAK43367.1 </a>	C-C chemokine receptor 5 [Hyloba...	<a href="#">181</a>	<a href="#">3e-44</a>	
<a href="#">gi 9502106 gb AAF87982.1 </a>	CC chemokine receptor 5 [Cercopit...	<a href="#">181</a>	<a href="#">3e-44</a>	
<a href="#">gi 5713093 gb AAD47789.1 </a>	C-C chemokine receptor 5 [Erythro...	<a href="#">181</a>	<a href="#">4e-44</a>	
<a href="#">gi 5713085 gb AAD47781.1 </a>	C-C chemokine receptor 5 [Cercopi...	<a href="#">181</a>	<a href="#">4e-44</a>	
<a href="#">gi 5713072 gb AAD47768.1 </a>	C-C chemokine receptor 5 [Varecia...	<a href="#">181</a>	<a href="#">4e-44</a>	
<a href="#">gi 5713055 gb AAD47751.1 </a>	C-C chemokine receptor 5 [Papio p...	<a href="#">181</a>	<a href="#">4e-44</a>	
<a href="#">gi 5713042 gb AAD47738.1 </a>	C-C chemokine receptor 5 [Macaca ...]	<a href="#">181</a>	<a href="#">4e-44</a>	
<a href="#">gi 5713034 gb AAD47730.1 </a>	C-C chemokine receptor 5 [Macaca ...]	<a href="#">181</a>	<a href="#">4e-44</a>	
<a href="#">gi 5514616 gb AAD44009.1 </a>	CC chemokine receptor type 5 [Cer...	<a href="#">181</a>	<a href="#">4e-44</a>	
<a href="#">gi 13873081 gb AAK43366.1 </a>	C-C chemokine receptor 5 [Trachy...	<a href="#">181</a>	<a href="#">4e-44</a>	
<a href="#">gi 9502104 gb AAF87981.1 </a>	CC chemokine receptor 5 [Hylobate...	<a href="#">181</a>	<a href="#">4e-44</a>	
<a href="#">gi 4757938 ref NP_000639.1 </a>	chemokine (C-C motif) receptor ...	<a href="#">180</a>	<a href="#">5e-44</a>	<b>G</b>
<a href="#">gi 57113969 ref NP_001009046.1 </a>	chemokine (C-C motif) recep...	<a href="#">180</a>	<a href="#">5e-44</a>	<b>G</b>
<a href="#">gi 5713079 gb AAD47775.1 </a>	C-C chemokine receptor 5 [Cercopi...	<a href="#">180</a>	<a href="#">5e-44</a>	
<a href="#">gi 5712968 gb AAD47664.1 </a>	C-C chemokine receptor 5 [Pongo p...	<a href="#">180</a>	<a href="#">5e-44</a>	
<a href="#">gi 5712966 gb AAD47662.1 </a>	C-C chemokine receptor 5 [Pan tro...	<a href="#">180</a>	<a href="#">5e-44</a>	<b>G</b>
<a href="#">gi 5712961 gb AAD47657.1 </a>	C-C chemokine receptor 5 [Pan tro...	<a href="#">180</a>	<a href="#">5e-44</a>	
<a href="#">gi 5712960 gb AAD47656.1 </a>	C-C chemokine receptor 5 [Pan tro...	<a href="#">180</a>	<a href="#">5e-44</a>	
<a href="#">gi 48675899 ref NP_001001618.1 </a>	chemokine C-C motif recepto...	<a href="#">180</a>	<a href="#">5e-44</a>	<b>G</b>
<a href="#">gi 23193462 gb AAN14531.1 </a>	chemokine receptor CCR5 [Saimiri...	<a href="#">180</a>	<a href="#">5e-44</a>	
<a href="#">gi 2305120 gb AAB65701.1 </a>	CCR5 receptor [Homo sapiens]	<a href="#">180</a>	<a href="#">5e-44</a>	<b>G</b>
<a href="#">gi 4502633 ref NP_000638.1 </a>	chemokine (C-C motif) receptor ...	<a href="#">180</a>	<a href="#">7e-44</a>	<b>G</b>
<a href="#">gi 5713002 gb AAD47698.1 </a>	C-C chemokine receptor 5 [Callith...	<a href="#">180</a>	<a href="#">7e-44</a>	
<a href="#">gi 51592090 ref NP_446412.2 </a>	chemokine (C-C) receptor 5 [Ra...	<a href="#">180</a>	<a href="#">7e-44</a>	<b>G</b>
<a href="#">gi 54038473 gb AAH84427.1 </a>	CXCR2 protein [Xenopus laevis] >...	<a href="#">180</a>	<a href="#">7e-44</a>	<b>G</b>
<a href="#">gi 57898982 db BAD86855.1 </a>	CXC chemokine receptor 3 [Canis...	<a href="#">180</a>	<a href="#">7e-44</a>	<b>G</b>
<a href="#">gi 3135296 gb AAC39830.1 </a>	chemokine receptor CCR5 [Cercocob...	<a href="#">180</a>	<a href="#">7e-44</a>	
<a href="#">gi 47208340 emb CAF88488.1 </a>	unnamed protein product [Tetrao...	<a href="#">180</a>	<a href="#">7e-44</a>	
<a href="#">gi 90075 pir JQ1231</a>	interleukin-8 receptor - rabbit >gi 12...	<a href="#">179</a>	<a href="#">9e-44</a>	
<a href="#">gi 5713054 gb AAD47750.1 </a>	C-C chemokine receptor 5 [Papio p...	<a href="#">179</a>	<a href="#">9e-44</a>	
<a href="#">gi 5712977 gb AAD47673.1 </a>	C-C chemokine receptor 5 [Homo sa...	<a href="#">179</a>	<a href="#">9e-44</a>	<b>G</b>
<a href="#">gi 42540827 gb AAS19314.1 </a>	CCR5 chemokine receptor [Homo sa...	<a href="#">179</a>	<a href="#">9e-44</a>	<b>G</b>
<a href="#">gi 3694853 gb AAC62474.1 </a>	chemokine receptor CCR5 [Cercocob...	<a href="#">179</a>	<a href="#">9e-44</a>	
<a href="#">gi 2305132 gb AAB65707.1 </a>	CCR5 receptor [Homo sapiens]	<a href="#">179</a>	<a href="#">9e-44</a>	<b>G</b>
<a href="#">gi 3135300 gb AAC39832.1 </a>	chemokine receptor CCR5 [Cercocob...	<a href="#">179</a>	<a href="#">9e-44</a>	
<a href="#">gi 6753466 ref NP_034045.1 </a>	chemokine (C-C motif) receptor ...	<a href="#">179</a>	<a href="#">1e-43</a>	<b>G</b>
<a href="#">gi 57086223 ref XP_546496.1 </a>	PREDICTED: similar to Burkitt ...	<a href="#">179</a>	<a href="#">1e-43</a>	<b>G</b>
<a href="#">gi 5712982 gb AAD47678.1 </a>	C-C chemokine receptor 5 [Homo sa...	<a href="#">179</a>	<a href="#">1e-43</a>	<b>G</b>
<a href="#">gi 5712969 gb AAD47665.1 </a>	C-C chemokine receptor 5 [Pongo p...	<a href="#">179</a>	<a href="#">1e-43</a>	

<a href="#">gi 5712963 gb AAD47659.1 </a>	C-C chemokine receptor 5 [Pan tro...	179	1e-43	
<a href="#">gi 3694851 gb AAC62473.1 </a>	chemokine receptor CCR5 [Cercoc...	179	1e-43	
<a href="#">gi 631602 pir A53752</a>	interleukin-8 receptor (clone 5Bla) -...	179	1e-43	
<a href="#">gi 29169293 gb AAO65971.1 </a>	chemokine receptor 5 [Homo sapie...	179	1e-43	<b>G</b>
<a href="#">gi 16758000 ref NP_445755.1 </a>	Burkitt lymphoma receptor 1 [R...	179	1e-43	<b>G</b>
<a href="#">gi 5713087 gb AAD47783.1 </a>	C-C chemokine receptor 5 [Alouatt...	179	1e-43	
<a href="#">gi 5713008 gb AAD47704.1 </a>	C-C chemokine receptor 5 [Cercopi...	179	1e-43	
<a href="#">gi 5713003 gb AAD47699.1 </a>	C-C chemokine receptor 5 [Callith...	179	1e-43	
<a href="#">gi 5712981 gb AAD47677.1 </a>	C-C chemokine receptor 5 [Homo sa...	179	1e-43	<b>G</b>
<a href="#">gi 5712976 gb AAD47672.1 </a>	C-C chemokine receptor 5 [Homo sa...	179	1e-43	<b>G</b>
<a href="#">gi 5712974 gb AAD47670.1 </a>	C-C chemokine receptor 5 [Homo sa...	179	1e-43	<b>G</b>
<a href="#">gi 42540823 gb AAS19312.1 </a>	CCR5 chemokine receptor [Homo sa...	179	1e-43	<b>G</b>
<a href="#">gi 4337456 gb AAM18131.1 </a>	chemokine receptor 5 [Homo sapiens]	179	1e-43	<b>G</b>
<a href="#">gi 2305190 gb AAB65736.1 </a>	CCR5 receptor [Homo sapiens] >gi ...	179	1e-43	<b>G</b>
<a href="#">gi 2305180 gb AAB65731.1 </a>	CCR5 receptor [Homo sapiens]	179	1e-43	<b>G</b>
<a href="#">gi 2305168 gb AAB65725.1 </a>	CCR5 receptor [Homo sapiens]	179	1e-43	<b>G</b>
<a href="#">gi 2305156 gb AAB65719.1 </a>	CCR5 receptor [Homo sapiens]	179	1e-43	<b>G</b>
<a href="#">gi 2305142 gb AAB65712.1 </a>	CCR5 receptor [Homo sapiens]	179	1e-43	<b>G</b>
<a href="#">gi 2305128 gb AAB65705.1 </a>	CCR5 receptor [Homo sapiens]	179	1e-43	<b>G</b>
<a href="#">gi 58760247 gb AAW82038.1 </a>	CC chemokine receptor 5 variant ...	179	1e-43	
<a href="#">gi 4206191 gb AAD11572.1 </a>	chemokine receptor [Macaca mulatt...	179	1e-43	
<a href="#">gi 4200299 emb CAA08838.1 </a>	CCR5 chemokine receptor [Felis c...	179	1e-43	<b>G</b>
<a href="#">gi 1321935 emb CAA62563.1 </a>	interleukin-8 receptor type B [P...	179	1e-43	
<a href="#">gi 5712980 gb AAD47676.1 </a>	C-C chemokine receptor 5 [Homo sa...	178	2e-43	<b>G</b>
<a href="#">gi 2305200 gb AAB65741.1 </a>	CCR5 receptor [Pan troglodytes]	178	2e-43	<b>G</b>
<a href="#">gi 2305196 gb AAB65739.1 </a>	CCR5 receptor [Pan troglodytes]	178	2e-43	<b>G</b>
<a href="#">gi 58760249 gb AAW82039.1 </a>	CC chemokine receptor 5 variant ...	178	2e-43	
<a href="#">gi 23305852 gb AAN17315.1 </a>	interleukin 8 receptor B CXCR2 [...]	178	3e-43	
<a href="#">gi 27805835 ref NP_776726.1 </a>	chemokine (C-X-C motif) recept...	178	3e-43	<b>G</b>
<a href="#">gi 4504683 ref NP_001548.1 </a>	interleukin 8 receptor beta [Ho...	178	3e-43	<b>G</b>
<a href="#">gi 2305176 gb AAB65729.1 </a>	CCR5 receptor [Homo sapiens]	178	3e-43	<b>G</b>
<a href="#">gi 2305136 gb AAB65709.1 </a>	CCR5 receptor [Homo sapiens]	178	3e-43	<b>G</b>
<a href="#">gi 57163789 ref NP_001009248.1 </a>	chemokine receptor 5 [Felis...	177	3e-43	<b>G</b>
<a href="#">gi 5713005 gb AAD47701.1 </a>	C-C chemokine receptor 5 [Alouatt...	177	3e-43	
<a href="#">gi 5712975 gb AAD47671.1 </a>	C-C chemokine receptor 5 [Homo sa...	177	3e-43	<b>G</b>
<a href="#">gi 2305178 gb AAB65730.1 </a>	CCR5 receptor [Homo sapiens]	177	3e-43	<b>G</b>
<a href="#">gi 13873089 gb AAK43370.1 </a>	C-C chemokine receptor 5 [Callic...	177	3e-43	
<a href="#">gi 13873075 gb AAK43363.1 </a>	C-C chemokine receptor 5 [Alouat...	177	3e-43	
<a href="#">gi 5713080 gb AAD47776.1 </a>	C-C chemokine receptor 5 [Callith...	177	4e-43	
<a href="#">gi 23193460 gb AAN14530.1 </a>	chemokine receptor CCR5 [Callith...	177	4e-43	
<a href="#">gi 33521604 gb AAQ20014.1 </a>	CC chemokine receptor 5 [Callith...	177	4e-43	
<a href="#">gi 2305158 gb AAB65720.1 </a>	CCR5 receptor [Homo sapiens]	177	4e-43	<b>G</b>
<a href="#">gi 1935045 gb AAB51765.1 </a>	fusin [Felis catus]	177	4e-43	<b>G</b>
<a href="#">gi 9502108 gb AAF87983.1 </a>	CC chemokine receptor 5 [Lagothri...	177	4e-43	
<a href="#">gi 5712948 gb AAD47644.1 </a>	C-C chemokine receptor 5 [Hylobat...	177	6e-43	
<a href="#">gi 33521602 gb AAQ20013.1 </a>	CC chemokine receptor 5 [Callith...	177	6e-43	
<a href="#">gi 2305148 gb AAB65715.1 </a>	CCR5 receptor [Homo sapiens]	177	6e-43	<b>G</b>
<a href="#">gi 13873085 gb AAK43368.1 </a>	C-C chemokine receptor 5 [Ateles...	177	6e-43	
<a href="#">gi 2347114 gb AAC53386.1 </a>	CC chemokine receptor-5 [Mus musc...	177	6e-43	<b>G</b>
<a href="#">gi 1237134 gb AAC52453.1 </a>	JE receptor	176	7e-43	<b>G</b>

gi 57100809 ref XP_541020.1	PREDICTED: hypothetical protei...	176	7e-43	G
gi 2896818 gb AAC03242.1	chemokine receptor CCR2 [Rattus n...	176	7e-43	G
gi 58760245 gb AAW82037.1	CC chemokine receptor 5 variant ...	176	1e-42	
gi 58652135 ref NP_001011675.1	Burkitt lymphoma receptor 1...	176	1e-42	G
gi 6002764 gb AAF00130.1	chemokine receptor CXCR4-Lo [Homo...	176	1e-42	G
gi 33521612 gb AAQ20018.1	CC chemokine receptor 5 [Leontop...	176	1e-42	
gi 33521606 gb AAQ20015.1	CC chemokine receptor 5 [Leontop...	176	1e-42	
gi 2305124 gb AAB65703.1	CCR5 receptor [Homo sapiens]	176	1e-42	G
gi 60097918 ref NP_001012342.2	chemokine (C-C motif) recep...	176	1e-42	
gi 1842247 gb AAC48852.1	CXCR-4 homolog [Felis catus] >gi ...	176	1e-42	G
gi 3059120 emb CAA12166.1	CXCR4 [Homo sapiens]	176	1e-42	G
gi 2305140 gb AAB65711.1	CCR5 receptor [Homo sapiens]	175	2e-42	G
gi 3243095 gb AAC23950.1	putative chemokine receptor [Gall...	175	2e-42	
gi 9502112 gb AAF87985.1	CC chemokine receptor 5 [Ateles sp.]	175	2e-42	
gi 5713007 gb AAD47703.1	C-C chemokine receptor 5 [Aotus t...	175	2e-42	
gi 47523298 ref NP_998938.1	chemokine (C-X-C motif) recept...	175	2e-42	G
gi 23305854 gb AAN17316.1	interleukin 8 receptor B CXCR2 [...]	175	2e-42	
gi 33521616 gb AAQ20020.1	CC chemokine receptor 5 [Brachyt...	175	2e-42	
gi 2431976 gb AAB71183.1	CCR5 [Mus musculus]	175	2e-42	G
gi 57113965 ref NP_001009047.1	chemokine (C-X-C motif) rec...	174	3e-42	G
gi 42540825 gb AAS19313.1	CCR5 chemokine receptor [Homo sa...	174	3e-42	G
gi 30584919 gb AAP36716.1	Homo sapiens chemokine (C-X-C mo...	174	3e-42	
gi 33521610 gb AAQ20017.1	CC chemokine receptor 5 [Leontop...	174	3e-42	
gi 49118568 gb AAH73571.1	LOC443669 protein [Xenopus laevis]	174	3e-42	G
gi 2305166 gb AAB65724.1	CCR5 receptor [Homo sapiens]	174	3e-42	G
gi 4100052 gb AAD00729.1	CCR5 [Felis catus]	174	3e-42	G
gi 1698716 gb AAB37273.1	beta chemokine receptor [Mus musc...	174	3e-42	G
gi 1321889 emb CAA62565.1	interleukin-8 receptor type B [M...	174	3e-42	
gi 9587720 gb AAF89352.1	chemokine receptor CXCR4 [Gorilla...	174	3e-42	
gi 9587716 gb AAF89350.1	chemokine receptor CXCR4 [Hylobat...	174	3e-42	
gi 13549090 gb AAK29630.1	chemokine receptor CXCR4 [Homo s...	174	4e-42	G
gi 9587714 gb AAF89349.1	chemokine receptor CXCR4 [Hylobat...	174	4e-42	
gi 57111005 ref XP_536064.1	PREDICTED: similar to interleu...	174	5e-42	G
gi 5712979 gb AAD47675.1	C-C chemokine receptor 5 [Homo sa...	174	5e-42	G
gi 33521614 gb AAQ20019.1	CC chemokine receptor 5 [Leontop...	174	5e-42	
gi 1321816 emb CAA62564.1	interleukin-8 receptor type B [G...	174	5e-42	
gi 9587724 gb AAF89354.1	chemokine receptor CXCR4 [Ateles ...]	174	5e-42	
gi 35187401 gb AAQ84305.1	CXC chemokine receptor 1-like pr...	173	6e-42	G
gi 5712985 gb AAD47681.1	C-C chemokine receptor 5 [Saguinu...	173	6e-42	
gi 31044501 gb AAQ47588.2	chemokine receptor CXCR4 [Tupaia...	173	6e-42	
gi 2305192 gb AAB65737.1	CCR5 receptor [Homo sapiens]	173	6e-42	G
gi 5712992 gb AAD47688.1	C-C chemokine receptor 5 [Saguinu...	173	8e-42	
gi 33521608 gb AAQ20016.1	CC chemokine receptor 5 [Leontop...	173	8e-42	
gi 57157736 db BAD83840.1	CC chemokine receptor 5 [Canis ...]	173	8e-42	G
gi 9587722 gb AAF89353.1	chemokine receptor CXCR4 [Alouatt...	173	8e-42	
gi 2851566 sp P51682 CKR5 MOUSE	C-C chemokine receptor type...	173	8e-42	G
gi 57101676 ref XP_541906.1	PREDICTED: similar to chemokin...	172	1e-41	G
gi 5712990 gb AAD47686.1	C-C chemokine receptor 5 [Saguinu...	172	1e-41	
gi 5712983 gb AAD47679.1	C-C chemokine receptor 5 [Saguinu...	172	1e-41	
gi 23193458 gb AAN14529.1	chemokine receptor CXCR4 [Saimir...	172	1e-41	
gi 9587732 gb AAF89358.1	chemokine receptor CXCR4 [Pitheci...	172	1e-41	
gi 31542356 ref NP_034047.2	chemokine (C-C motif) receptor...	172	1e-41	G



<a href="#">gi 23193456 gb AAN14528.1 </a>	chemokine receptor CXCR4 [Callit...	<a href="#">172</a>	1e-41	
<a href="#">gi 13430095 gb AAK25743.1 </a>	chemokine receptor CXCR4 [Macaca...	<a href="#">172</a>	1e-41	
<a href="#">gi 2625094 gb AAC63831.1 </a>	CXC chemokine receptor 4 [Papio c...	<a href="#">172</a>	1e-41	
<a href="#">gi 4467415 emb CAB37671.1 </a>	interleukin-8 receptor type A [G...	<a href="#">172</a>	1e-41	
<a href="#">gi 9587730 gb AAF89357.1 </a>	chemokine receptor CXCR4 [Callice...	<a href="#">172</a>	1e-41	
<a href="#">gi 9587696 gb AAF89340.1 </a>	chemokine receptor CXCR4 [Presbyt...	<a href="#">172</a>	1e-41	
<a href="#">gi 42557658 emb CAF28777.1 </a>	C-C chemokine receptor 5 like [...]	<a href="#">172</a>	2e-41	
<a href="#">gi 6318165 emb CAB60252.1 </a>	CXC chemokine receptor 4 [Acipen...	<a href="#">172</a>	2e-41	
<a href="#">gi 8393600 ref NP_058879.1 </a>	interleukin 8 receptor, beta [R...	<a href="#">172</a>	2e-41	<b>G</b>
<a href="#">gi 50732854 ref XP_418796.1 </a>	PREDICTED: similar to C-C chem...	<a href="#">171</a>	2e-41	<b>G</b>
<a href="#">gi 17902281 gb AAL47855.1 </a>	chemokine receptor CXCR4 [Rattus...	<a href="#">171</a>	2e-41	<b>G</b>
<a href="#">gi 1419629 emb CAA63867.1 </a>	MIP-1 alpha receptor [Mus musculus]	<a href="#">171</a>	2e-41	<b>G</b>
<a href="#">gi 3294342 db BAA31327.1 </a>	CXCR4 receptor [Cercopithecus ae...	<a href="#">171</a>	2e-41	
<a href="#">gi 9587698 gb AAF89341.1 </a>	chemokine receptor CXCR4 [Mandrill...	<a href="#">171</a>	2e-41	
<a href="#">gi 9587690 gb AAF89337.1 </a>	chemokine receptor CXCR4 [Presbyt...	<a href="#">171</a>	2e-41	
<a href="#">gi 5713006 gb AAD47702.1 </a>	C-C chemokine receptor 5 [Aotus t...	<a href="#">171</a>	3e-41	
<a href="#">gi 5712988 gb AAD47684.1 </a>	C-C chemokine receptor 5 [Saguinu...	<a href="#">171</a>	3e-41	
<a href="#">gi 48675907 ref NP_001001619.1 </a>	chemokine C-C motif recepto...	<a href="#">171</a>	3e-41	<b>G</b>
<a href="#">gi 4102992 gb AAD01638.1 </a>	G-protein coupled receptor; CXCR4...	<a href="#">171</a>	3e-41	
<a href="#">gi 2911294 gb AAC39641.1 </a>	alpha-chemokine receptor 4 [Macac...	<a href="#">171</a>	3e-41	
<a href="#">gi 1906613 gb AAB50408.1 </a>	CXC chemokine receptor [Rattus no...	<a href="#">171</a>	3e-41	<b>G</b>
<a href="#">gi 9587708 gb AAF89346.1 </a>	chemokine receptor CXCR4 [Macaca ...]	<a href="#">171</a>	3e-41	
<a href="#">gi 9587700 gb AAF89342.1 </a>	chemokine receptor CXCR4 [Mandrill...	<a href="#">171</a>	3e-41	
<a href="#">gi 298783 gb AAB25879.1 </a>	interleukin-8 receptor type 1, IL8...	<a href="#">171</a>	4e-41	<b>G</b>
<a href="#">gi 5712989 gb AAD47685.1 </a>	C-C chemokine receptor 5 [Saguinu...	<a href="#">171</a>	4e-41	
<a href="#">gi 7230482 gb AAF42991.1 </a>	CXC chemokine receptor 4 [Hylobat...	<a href="#">171</a>	4e-41	
<a href="#">gi 9587688 gb AAF89336.1 </a>	chemokine receptor CXCR4 [Presbyt...	<a href="#">171</a>	4e-41	
<a href="#">gi 5712993 gb AAD47689.1 </a>	C-C chemokine receptor 5 [Saguinu...	<a href="#">170</a>	5e-41	
<a href="#">gi 1899056 gb AAC51159.1 </a>	CXCR4 gene product [Macaca mulatt...	<a href="#">170</a>	5e-41	
<a href="#">gi 9587728 gb AAF89356.1 </a>	chemokine receptor CXCR4 [Callimi...	<a href="#">170</a>	5e-41	
<a href="#">gi 57163985 ref NP_001009241.1 </a>	chemokine (C-C motif) recep...	<a href="#">170</a>	7e-41	<b>G</b>
<a href="#">gi 9506809 ref NP_062183.1 </a>	interleukin 8 receptor, alpha [...]	<a href="#">170</a>	7e-41	<b>G</b>
<a href="#">gi 27805943 ref NP_776785.1 </a>	interleukin 8 receptor, beta [...]	<a href="#">170</a>	7e-41	<b>G</b>
<a href="#">gi 23305862 gb AAN17320.1 </a>	interleukin 8 receptor B CXCR2 [...]	<a href="#">170</a>	7e-41	
<a href="#">gi 7141318 gb AAF37288.1 </a>	CXCR4 receptor [Saimiri boliviensis]	<a href="#">170</a>	7e-41	
<a href="#">gi 9587726 gb AAF89355.1 </a>	chemokine receptor CXCR4 [Callith...	<a href="#">170</a>	7e-41	
<a href="#">gi 4502631 ref NP_001286.1 </a>	chemokine (C-C motif) receptor ...	<a href="#">169</a>	9e-41	<b>G</b>
<a href="#">gi 5712994 gb AAD47690.1 </a>	C-C chemokine receptor 5 [Saguinu...	<a href="#">169</a>	9e-41	
<a href="#">gi 23305858 gb AAN17318.1 </a>	interleukin 8 receptor B CXCR2 [...]	<a href="#">169</a>	9e-41	
<a href="#">gi 219863 db BAA01723.1 </a>	HM145 [Homo sapiens]	<a href="#">169</a>	9e-41	<b>G</b>
<a href="#">gi 7441609 pir G00048</a>	fusin (LESTRA) - crab-eating macaque...	<a href="#">169</a>	9e-41	
<a href="#">gi 9587738 gb AAF89361.1 </a>	chemokine receptor CXCR4 [Nyctice...	<a href="#">169</a>	9e-41	
<a href="#">gi 1237136 gb AAC52454.1 </a>	MIP-1 alpha receptor	<a href="#">169</a>	1e-40	<b>G</b>
<a href="#">gi 4504681 ref NP_000625.1 </a>	interleukin 8 receptor alpha [H...	<a href="#">169</a>	1e-40	<b>G</b>
<a href="#">gi 27802639 gb AAO21209.1 </a>	chemokine receptor CXCR4 [Petrom...	<a href="#">169</a>	1e-40	
<a href="#">gi 20380431 gb AAH28221.1 </a>	Interleukin 8 receptor alpha [Ho...	<a href="#">169</a>	1e-40	<b>G</b>
<a href="#">gi 1934671 gb AAB54116.1 </a>	alpha chemokine receptor [Macaca ...]	<a href="#">169</a>	1e-40	
<a href="#">gi 4467981 emb CAB37850.1 </a>	interleukin-8 receptor type A [P...	<a href="#">169</a>	1e-40	
<a href="#">gi 55741694 ref NP_001003151.1 </a>	interleukin-8 receptor [Can...	<a href="#">169</a>	2e-40	<b>G</b>
<a href="#">gi 10120494 ref NP_065417.1 </a>	macrophage inflammatory protei...	<a href="#">169</a>	2e-40	<b>G</b>
<a href="#">gi 45382915 ref NP_989948.1 </a>	chemokine receptor CXCR4 [Gall...	<a href="#">169</a>	2e-40	<b>G</b>
<a href="#">gi 3135304 gb AAC39834.1 </a>	chemokine receptor CXCR4 [Cercoc...	<a href="#">169</a>	2e-40	
<a href="#">gi 7108519 gb AAF36453.1 </a>	chemokine receptor [Callithrix ja...	<a href="#">169</a>	2e-40	
<a href="#">gi 48675909 ref NP_001001621.1 </a>	chemokine C-C motif recepto...	<a href="#">168</a>	2e-40	<b>G</b>

<a href="#">gi 11024708 ref NP_031747.2 </a>	G protein-coupled receptor 2 [...	<a href="#">168</a>	<a href="#">3e-40</a>	<a href="#">G</a>
<a href="#">gi 48735085 gb AAH72397.1 </a>	Interleukin 8 receptor alpha [Ho...	<a href="#">168</a>	<a href="#">3e-40</a>	<a href="#">G</a>
<a href="#">gi 34873846 ref XP_343969.1 </a>	similar to 7-transmembrane G-p...	<a href="#">167</a>	<a href="#">3e-40</a>	<a href="#">G</a>
<a href="#">gi 55616095 ref XP_526027.1 </a>	PREDICTED: similar to High aff...	<a href="#">167</a>	<a href="#">3e-40</a>	<a href="#">G</a>
<a href="#">gi 23305856 gb AAN17317.1 </a>	interleukin 8 receptor B CXCR2 [...	<a href="#">167</a>	<a href="#">3e-40</a>	
<a href="#">gi 2305126 gb AAB65704.1 </a>	CCR5 receptor [Homo sapiens]	<a href="#">167</a>	<a href="#">3e-40</a>	<a href="#">G</a>
<a href="#">gi 7230484 gb AAF42992.1 </a>	CXC chemokine receptor 4 [Saguinu...	<a href="#">167</a>	<a href="#">3e-40</a>	
<a href="#">gi 7230480 gb AAF42990.1 </a>	CXC chemokine receptor 4 [Cercopi...	<a href="#">167</a>	<a href="#">3e-40</a>	
<a href="#">gi 9587740 gb AAF89362.1 </a>	chemokine receptor CXCR4 [Eulemur...	<a href="#">167</a>	<a href="#">3e-40</a>	
<a href="#">gi 7108517 gb AAF36452.1 </a>	chemokine receptor [Oryctolagus c...	<a href="#">167</a>	<a href="#">4e-40</a>	
<a href="#">gi 6753456 ref NP_034039.1 </a>	interleukin 8 receptor beta [Mu...	<a href="#">167</a>	<a href="#">6e-40</a>	<a href="#">G</a>
<a href="#">gi 6753460 ref NP_034041.1 </a>	chemokine (C-X-C motif) recepto...	<a href="#">167</a>	<a href="#">6e-40</a>	<a href="#">G</a>
<a href="#">gi 29602789 gb AAO84922.1 </a>	interleukin-8 receptor CXCR2 [Ca...	<a href="#">167</a>	<a href="#">6e-40</a>	
<a href="#">gi 17223091 gb AAL18011.1 </a>	Cxcr4A [Danio rerio]	<a href="#">167</a>	<a href="#">6e-40</a>	<a href="#">G</a>
<a href="#">gi 7546849 gb AAF63711.1 </a>	CC chemokine receptor 10B [Mus mu...	<a href="#">167</a>	<a href="#">6e-40</a>	<a href="#">G</a>
<a href="#">gi 7546847 gb AAF63710.1 </a>	CC chemokine receptor 10A [Mus mu...	<a href="#">167</a>	<a href="#">6e-40</a>	<a href="#">G</a>
<a href="#">gi 1542889 emb CAB02202.1 </a>	CXCR-4 [Mus musculus]	<a href="#">167</a>	<a href="#">6e-40</a>	<a href="#">G</a>
<a href="#">gi 543400 pir S42096</a>	interleukin-8 receptor - rat	<a href="#">167</a>	<a href="#">6e-40</a>	
<a href="#">gi 1666649 emb CAA67894.1 </a>	leukocyte-derived seven transmem...	<a href="#">166</a>	<a href="#">8e-40</a>	<a href="#">G</a>
<a href="#">gi 9587742 gb AAF89363.1 </a>	chemokine receptor CXCR4 [Perodic...	<a href="#">166</a>	<a href="#">8e-40</a>	
<a href="#">gi 57091477 ref XP_548084.1 </a>	PREDICTED: similar to hypothet...	<a href="#">166</a>	<a href="#">1e-39</a>	<a href="#">G</a>
<a href="#">gi 39016879 gb AAR07898.1 </a>	CC chemokine receptor 10 [Homo s...	<a href="#">165</a>	<a href="#">2e-39</a>	<a href="#">G</a>
<a href="#">gi 23305860 gb AAN17319.1 </a>	interleukin 8 receptor B CXCR2 [...	<a href="#">165</a>	<a href="#">2e-39</a>	
<a href="#">gi 47215024 emb CAG01848.1 </a>	unnamed protein product [Tetrao...	<a href="#">165</a>	<a href="#">2e-39</a>	
<a href="#">gi 34223272 gb AAO66450.1 </a>	CXCR4 [Macaca fascicularis] >gi ...	<a href="#">163</a>	<a href="#">6e-39</a>	
<a href="#">gi 40254673 ref NP_571957.2 </a>	chemokine (C-X-C motif) recept...	<a href="#">163</a>	<a href="#">6e-39</a>	<a href="#">G</a>
<a href="#">gi 5712991 gb AAD47687.1 </a>	C-C chemokine receptor 5 [Saguinu...	<a href="#">163</a>	<a href="#">8e-39</a>	
<a href="#">gi 55250561 gb AAH85659.1 </a>	Zgc:92301 [Danio rerio] >gi 5592...	<a href="#">162</a>	<a href="#">1e-38</a>	<a href="#">G</a>
<a href="#">gi 52546730 ref NP_001005261.1 </a>	C-C chemokine receptor 3 [C...	<a href="#">162</a>	<a href="#">1e-38</a>	<a href="#">G</a>
<a href="#">gi 55620263 ref XP_526193.1 </a>	PREDICTED: CC chemokine recept...	<a href="#">162</a>	<a href="#">1e-38</a>	<a href="#">G</a>
<a href="#">gi 50732904 ref XP_418820.1 </a>	PREDICTED: similar to CX3C che...	<a href="#">162</a>	<a href="#">1e-38</a>	<a href="#">G</a>
<a href="#">gi 47218519 emb CAF98051.1 </a>	unnamed protein product [Tetrao...	<a href="#">162</a>	<a href="#">1e-38</a>	
<a href="#">gi 9628081 ref NP_042675.1 </a>	G protein-coupled receptor [Equ...	<a href="#">162</a>	<a href="#">2e-38</a>	<a href="#">G</a>
<a href="#">gi 37655185 gb AAO65970.2 </a>	chemokine receptor 3 [Homo sapie...	<a href="#">162</a>	<a href="#">2e-38</a>	<a href="#">G</a>
<a href="#">gi 42557657 emb CAF28776.1 </a>	C-C chemokine receptor 11 like ...	<a href="#">162</a>	<a href="#">2e-38</a>	
<a href="#">gi 2137554 pir I49341</a>	MIP-1 alpha receptor like-2 - mouse	<a href="#">161</a>	<a href="#">2e-38</a>	
<a href="#">gi 7705316 ref NP_057686.1 </a>	CC chemokine receptor 10 [Homo ...	<a href="#">161</a>	<a href="#">2e-38</a>	<a href="#">G</a>
<a href="#">gi 52138984 gb AAH82709.1 </a>	LOC494705 protein [Xenopus laevis]	<a href="#">161</a>	<a href="#">2e-38</a>	<a href="#">G</a>
<a href="#">gi 1203601 gb AAA89155.1 </a>	MIP-1 alpha receptor like-2	<a href="#">161</a>	<a href="#">2e-38</a>	<a href="#">G</a>
<a href="#">gi 3551197 dbj BAA32797.1 </a>	CXCR4 [Cyprinus carpio]	<a href="#">161</a>	<a href="#">2e-38</a>	
<a href="#">gi 577415 gb AAA64593.1 </a>	G protein-coupled receptor	<a href="#">161</a>	<a href="#">3e-38</a>	<a href="#">G</a>
<a href="#">gi 1109784 gb AAA86118.1 </a>	chemokine G-protein-coupled recep...	<a href="#">161</a>	<a href="#">3e-38</a>	<a href="#">G</a>
<a href="#">gi 48675903 ref NP_001001620.1 </a>	chemokine C-C motif recepto...	<a href="#">161</a>	<a href="#">3e-38</a>	<a href="#">G</a>
<a href="#">gi 57157738 dbj BAD83841.1 </a>	CC chemokine receptor 3 [Canis ...	<a href="#">160</a>	<a href="#">4e-38</a>	<a href="#">G</a>
<a href="#">gi 1477561 gb AAR09726.1 </a>	C-C chemokine receptor 3 >gi 7441...	<a href="#">160</a>	<a href="#">4e-38</a>	<a href="#">G</a>
<a href="#">gi 1082383 pir B55733</a>	G protein-coupled receptor GPR2 - hu...	<a href="#">160</a>	<a href="#">5e-38</a>	
<a href="#">gi 22074362 gb AAL13085.1 </a>	eotaxin receptor [Mus musculus] ...	<a href="#">159</a>	<a href="#">9e-38</a>	<a href="#">G</a>
<a href="#">gi 15029747 gb AAH11092.1 </a>	Chemokine (C-C motif) receptor 1...	<a href="#">159</a>	<a href="#">9e-38</a>	<a href="#">G</a>
<a href="#">gi 27721857 ref XP_236742.1 </a>	similar to MIP-1 alpha recepto...	<a href="#">159</a>	<a href="#">9e-38</a>	<a href="#">G</a>

gi 27924174 gb AAH44963.1	Cxcr4-prov protein [Xenopus laevis]	159	1e-37	G
gi 31542352 ref NP_034042.2	chemokine (C-C motif) receptor...	159	1e-37	G
gi 49115863 gb AAH73603.1	Unknown (protein for MGC:82907) ...	159	1e-37	
gi 8118035 gb AAF72871.1	7-transmembrane G-protein coupled...	159	1e-37	G
gi 3327018 emb CAA04493.1	CXC chemokine receptor [Oncorhyn...	159	2e-37	
gi 47220226 emb CAF98991.1	unnamed protein product [Tetrao...	159	2e-37	
gi 26327025 dbj BAC27256.1	unnamed protein product [Mus mu...	159	2e-37	G
gi 881548 gb AAA89153.1	macrophage inflammatory protein-1 ...	158	2e-37	G
gi 1109786 gb AAA86119.1	chemokine G-protein-coupled recep...	158	2e-37	G
gi 2407217 gb AAB70526.1	chemokine receptor [Macaca mulatt...	158	2e-37	
gi 31542354 ref NP_034044.2	CC chemokine receptor 3 [Mus m...	157	4e-37	G
gi 50732143 ref XP_418499.1	PREDICTED: similar to CC-chemo...	157	5e-37	G
gi 6467133 dbj BAA86964.1	b-chemokine receptor CCR3 [Homo ...	157	6e-37	G
gi 16758844 ref NP_446410.1	CC chemokine receptor 3 [Rattu...	156	8e-37	G
gi 50540418 ref NP_001002675.1	zgc:91924 [Danio rerio] >gi...	156	1e-36	G
gi 18858507 ref NP_571909.1	chemokine (C-X-C motif), recep...	156	1e-36	G
gi 3930519 gb AAC80428.1	C-C chemokine receptor 3 [Cavia p...	156	1e-36	
gi 2897073 gb AAC03337.1	chemokine receptor CCR3 [Rattus n...	155	2e-36	G
gi 13929467 ref NP_001287.2	chemokine binding protein 2 [H...	154	4e-36	G
gi 30583827 gb AAP36162.1	Homo sapiens chemokine binding p...	154	4e-36	
gi 30171328 gb AAP20651.1	chemokine-binding protein 2 [Hom...	154	4e-36	G
gi 2213809 gb AAB97728.1	CC-chemokine-binding receptor JAB...	154	5e-36	G
gi 51870077 ref YP_073630.1	Hypothetical protein LDVICp124...	153	7e-36	G
gi 2266686 emb CAA74107.1	C-C chemokine receptor-3 [Macaca...	153	7e-36	
gi 2266434 emb CAA74106.1	C-C chemokine receptor-3 [Cercop...	153	9e-36	
gi 4885121 ref NP_005192.1	chemokine (C-C motif) receptor ...	152	1e-35	G
gi 55620239 ref XP_526178.1	PREDICTED: chemokine (C-C moti...	152	1e-35	G
gi 30962608 gb AAP42156.1	chemokine receptor D6 [Homo sapi...	152	1e-35	G
gi 42557659 emb CAF28778.1	C-C chemokine receptor 8 like [...	152	1e-35	
gi 22652109 gb AAN03618.1	eotaxin receptor CCR3 [Macaca mu...	152	1e-35	
gi 22652103 gb AAN03615.1	eotaxin receptor CCR3 [Macaca fa...	152	1e-35	
gi 18071641 gb AAL55443.1	chemokine receptor 3 [Macaca fas...	152	1e-35	
gi 18071639 gb AAL55442.1	chemokine receptor 3 [Macaca fas...	152	1e-35	
gi 13027670 gb AAK08628.1	CC chemokine receptor 8 [Homo sa...	152	1e-35	G
gi 2407219 gb AAB70527.1	chemokine receptor [Macaca mulatt...	152	2e-35	
gi 6671770 ref NP_031744.1	chemokine (C-C motif) receptor ...	151	3e-35	G
gi 57103782 ref XP_542719.1	PREDICTED: similar to chemokin...	150	4e-35	G
gi 47220980 emb CAF98209.1	unnamed protein product [Tetrao...	150	4e-35	
gi 3298340 dbj BAA31458.1	CXC chemokine receptor-1 [Cyprin...	150	4e-35	
gi 347190 gb AAC37873.1	G protein-coupled receptor >gi 586...	150	6e-35	
gi 18448639 gb AAL69885.1	SPV146 G protein-coupled CC chem...	150	6e-35	G
gi 13430087 gb AAK25739.1	chemokine receptor CCR3 [Macaca ...	150	6e-35	
gi 34740123 dbj BAC87713.1	C-C chemokine receptor-3 [Paral...	149	2e-34	
gi 31542483 ref NP_067622.2	D6 beta-chemokine receptor [Mu...	147	4e-34	G
gi 3851699 gb AAC72403.1	chemokine receptor [Macaca mulatt...	147	4e-34	
gi 55562725 gb AAH86449.1	Chemokine binding protein 2 [Rat...	147	6e-34	G
gi 57103810 ref XP_542737.1	PREDICTED: similar to chemokin...	146	8e-34	G
gi 13897910 gb AAK48497.1	IL-8 receptor [Oncorhynchus mykiss]	145	2e-33	
gi 13897920 gb AAK48502.1	IL-8 receptor [Oncorhynchus mykiss]	145	2e-33	
gi 2213807 gb AAB61572.1	CC-chemokine-binding receptor JAB...	145	2e-33	G

<a href="#">gi 2072651 emb CAA73379.1 </a>	beta-chemokine receptor D6 [Mus ...	<a href="#">144</a>	3e-33	<b>G</b>
<a href="#">gi 47227892 emb CAG09055.1 </a>	unnamed protein product [Tetrao...	<a href="#">144</a>	5e-33	
<a href="#">gi 109222 pir A23669</a>	interleukin-8 receptor, high affinity...	<a href="#">143</a>	7e-33	
<a href="#">gi 27721715 ref XP_236704.1 </a>	similar to chemokine receptor ...	<a href="#">142</a>	1e-32	<b>G</b>
<a href="#">gi 54038607 gb AAH84447.1 </a>	Hypothetical LOC496477 [Xenopus ...	<a href="#">142</a>	2e-32	<b>G</b>
<a href="#">gi 1354505 gb AAB01981.1 </a>	chemokine receptor LCR1 [Rattus n...	<a href="#">141</a>	3e-32	<b>G</b>
<a href="#">gi 3298358 dbj BAA31470.1 </a>	CXC chemokine receptor-2 [Cyprin...	<a href="#">141</a>	3e-32	
<a href="#">gi 19424190 ref NP_598218.1 </a>	Rbs11 protein [Rattus norvegic...	<a href="#">140</a>	5e-32	<b>G</b>
<a href="#">gi 13897918 gb AAK48501.1 </a>	IL-8 receptor [Oncorhynchus myki...	<a href="#">140</a>	5e-32	
<a href="#">gi 15215068 gb AAH12653.1 </a>	Chemokine (C-X3-C) receptor 1 [M...	<a href="#">140</a>	8e-32	<b>G</b>
<a href="#">gi 26331012 dbj BAC29236.1 </a>	unnamed protein product [Mus mu...	<a href="#">140</a>	8e-32	<b>G</b>

## Alignments

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☒ >[gi|422826|pir|A45680](#) G protein-coupled peptide receptor EBI 1 - human  
[gi|183485|gb|AA58615.1|](#) **G** EBV induced G-protein coupled receptor  
 Length = 378

Score = 688 bits (1775), Expect = 0.0

Identities = 351/378 (92%), Positives = 351/378 (92%)

Query: 1 MDLGKPMKSVLVVALLVIFQVCLCQDEVTDYIGDNTTVDYTLFESLCSKKDVRNFKAWF 60  
 MDLGKPMKSVLVVALLVIFQVCLCQDEVTDYIGDNTTVDYTLFESLCSKKDVRNFKAWF 60  
 Sbjct: 1 MDLGKPMKSVLVVALLVIFQVCLCQDEVTDYIGDNTTVDYTLFESLCSKKDVRNFKAWF 60

Query: 61 LPIMYSIICFXXXXXXXXXXXXTYIYFKRLKTMTDTYLLNLAVADILFLLTLPFWAYSAAK 120  
 LPIMYSIICF TYIYFKRLKTMTDTYLLNLAVADILFLLTLPFWAYSAAK 120  
 Sbjct: 61 LPIMYSIICFVGLLGNGLVLTYYIYFKRLKTMTDTYLLNLAVADILFLLTLPFWAYSAAK 120

Query: 121 SWVFGVHFCKLIFAIYKMSFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSKV 180  
 SWVFGVHFCKLIFAIYKMSFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSKV 180  
 Sbjct: 121 SWVFGVHFCKLIFAIYKMSFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSKV 180

Query: 181 GSAILATVLSIPELLYSDLQRSSEQAMRCSLITEHVEAFITIQVQMVGFLVPLLAMS 240  
 GSAILATVLSIPELLYSDLQRSSEQAMRCSLITEHVEAFITIQVQMVGFLVPLLAMS 240  
 Sbjct: 181 GSAILATVLSIPELLYSDLQRSSEQAMRCSLITEHVEAFITIQVQMVGFLVPLLAMS 240

Query: 241 FCYLVIIIRTLLQARNFERNXXXXXXXXXXXXXXXXXQLPYNGVVLQTVANFNITSSTCEL 300  
 FCYLVIIIRTLLQARNFERN QLPYNGVVLQTVANFNITSSTCEL 300  
 Sbjct: 241 FCYLVIIIRTLLQARNFERNKAIKVIIAVVVVFVIFQLPYNGVVLQTVANFNITSSTCEL 300

Query: 301 SKQLNIAYDVTYSLACVRCCVNPFLYAFIGVKFRNDIFKLFKDLGCLSQEQLRQWSSCRH 360  
 SKQLNIAYDVTYSLACVRCCVNPFLYAFIGVKFRNDIFKLFKDLGCLSQEQLRQWSSCRH 360  
 Sbjct: 301 SKQLNIAYDVTYSLACVRCCVNPFLYAFIGVKFRNDIFKLFKDLGCLSQEQLRQWSSCRH 360

Query: 361 IRRSSMSVEAETTTTFSP 378  
 IRRSSMSVEAETTTTFSP  
 Sbjct: 361 IRRSSMSVEAETTTTFSP 378

>gi|4502641|ref|NF\_001829.1| **G** chemokine (C-C motif) receptor 7 precursor [Homo  
gi|23243434|gb|AAH35343.1| **G** Chemokine (C-C motif) receptor 7, precursor [Homo sa  
gi|49176610|gb|AAT52232.1| **G** CC chemokine receptor 7 [Homo sapiens]  
gi|468316|gb|AAA74230.1| **G** G protein-coupled receptor [Homo sapiens]  
gi|1082381|pir|B55735 lymphocyte-specific G protein-coupled receptor EBI1 - huma  
gi|468320|gb|AAA74231.1| **G** G protein-coupled receptor  
gi|1352335|sp|P32248|CKR7\_HUMAN **G** C-C chemokine receptor type 7 precursor (C-C CK  
(CCR-7) (MIP-3 beta receptor) (EBV-induced G  
protein-coupled receptor 1) (EBI1) (BLR2)  
Length = 378

Score = 682 bits (1760), Expect = 0.0

Identities = 348/378 (92%), Positives = 349/378 (92%)

Query: 1 MDLGKPMKSVLVVALLVIFQVCLCQDEVTDYIGDNTTVDYTLFESLCSKKDVRNFKAWF 60  
MDLGKPMKSVLVVALLVIFQVCLCQDEVTDYIGDNTTVDYTLFESLCSKKDVRNFKAWF  
Sbjct: 1 MDLGKPMKSVLVVALLVIFQVCLCQDEVTDYIGDNTTVDYTLFESLCSKKDVRNFKAWF 60

Query: 61 LPIMYSIICFXXXXXXXXXXXXTYIYFKRLKTM TD TYLLNLAVADILFLLTLPFWAYSAAK 120  
LPIMYSIICF TYIYFKRLKTM TD TYLLNLAVADILFLLTLPFWAYSAAK  
Sbjct: 61 LPIMYSIICFVGLLGNGLVVLTYYIYFKRLKTM TD TYLLNLAVADILFLLTLPFWAYSAAK 120

Query: 121 SWVFGVHFCKLIFAIYKMSFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSKV 180  
SWVFGVHFCKLIFAIYKMSFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSKV  
Sbjct: 121 SWVFGVHFCKLIFAIYKMSFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSKV 180

Query: 181 GSAILATVLSIPELLYSDLQRSSEQAMRCSLITEHVEAFITIQVQMVGFLVPLLAMS 240  
G ILATVLSIPELLYSDLQRSSEQAMRCSLITEHVEAFITIQVQMVGFLVPLLAMS  
Sbjct: 181 GIWILATVLSIPELLYSDLQRSSEQAMRCSLITEHVEAFITIQVQMVGFLVPLLAMS 240

Query: 241 FCYLVII RTLLQARNFERNXXXXXXXXXXXXXXXXXQLPYNGVVLAQTVANFNITSSTCEL 300  
FCYLVII RTLLQARNFERN QLPYNGVVLAQTVANFNITSSTCEL  
Sbjct: 241 FCYLVII RTLLQARNFERNKAIKVIIAVVVVFIVFQLPYNGVVLAQTVANFNITSSTCEL 300

Query: 301 SKQLNIA YDV TYSLACVRCCVNPFLYAFIGVKFRNDIFKLFKDLGCLSQEQLRQWSSCRH 360  
SKQLNIA YDV TYSLACVRCCVNPFLYAFIGVKFRND+FKLFKDLGCLSQEQLRQWSSCRH  
Sbjct: 301 SKQLNIA YDV TYSLACVRCCVNPFLYAFIGVKFRNDL FKLFKDLGCLSQEQLRQWSSCRH 360

Query: 361 IRRSSMSVEAETTTTFSP 378  
IRRSSMSVEAETTTTFSP  
Sbjct: 361 IRRSSMSVEAETTTTFSP 378

>gi|31127005|gb|AAN47099.2| CC chemokine receptor 7 [Macaca mulatta]  
Length = 378

Score = 675 bits (1742), Expect = 0.0

Identities = 346/378 (91%), Positives = 347/378 (91%)

Query: 1 MDLGKPMKSVLVVALLVIFQVCLCQDEVTDYIGDNTTVDYTLFESLCSKKDVRNFKAWF 60  
MDLGKPMKSVLVVALLVIFQV LCQDEVTDYIGDNTTVDYTLFESLCSKKDVRNFKAWF  
Sbjct: 1 MDLGKPMKSVLVVALLVIFQVYLCQDEVTDYIGDNTTVDYTLFESLCSKKDVRNFKAWF 60

Query: 61 LPIMYSIICFXXXXXXXXXXXXTYIYFKRLKTM TD TYLLNLAVADILFLLTLPFWAYSAAK 120  
LPIMYSIICF . TYIYFKRLKTM TD TYLLNLAVADILFLLTLPFWAYSAAK  
Sbjct: 61 LPIMYSIICFVGLLGNGLVVLTYYIYFKRLKTM TD TYLLNLAVADILFLLTLPFWAYSAAK 120



Query: 121 SWVFGVHFCKLIFAIYKMSFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSKV 180  
 SWVFGVHFCKLIFAIYKMSFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSKV  
 Sbjct: 121 SWVFGVHFCKLIFAIYKMSFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSKV 180

Query: 181 GSAILATVLSIPELLYSDLQRRSSSEQAMRCSLITEHVEAFITIQVQMVGFLVPLLAMS 240  
 G ILATVLSIPELLYSDLQRRSSSEQAMRCSLITEHVEAFITIQVQMVGFLVPLLAMS  
 Sbjct: 181 GIWILATVLSIPELLYSGLQRRSSSEQAMRCSLITEHVEAFITIQVQMVGFLVPLLAMS 240

Query: 241 FCYLVIIRTLLQARNFERNXXXXXXXXXXXXXXXXXQLPYNGVVLAQTVANFNITSSTCEL 300  
 FCYLVIIRTLLQARNFERN QLPYNGVVLAQTVANFNITSSTCEL  
 Sbjct: 241 FCYLVIIRTLLQARNFERNKAIKVIIAVVVVFIVFQLPYNGVVLAQTVANFNITSSTCEL 300

Query: 301 SKQLNIAVDVITYSLACVRCCVNPFLYAFIGVKFRNDIFKLFKDLGCLSQEQLRQWSSCRH 360  
 SKQLNIAVDVITYSLACVRCCVNPFLYAFIGVKFRND+FKLFKDLGCLSQEQLRQWSSCRH  
 Sbjct: 301 SKQLNIAVDVITYSLACVRCCVNPFLYAFIGVKFRNDLFLFKDLGCLSQEQLRQWSSCRH 360

Query: 361 IRRSSMSVEAETTTTFSP 378  
 IRRSSMSVEAETTTTFSP  
 Sbjct: 361 IRRSSMSVEAETTTTFSP 378

 >gi|55645367|ref|XP\_511477.1|  PREDICTED: chemokine (C-C motif) receptor 7 [Par  
 Length = 372

Score = 669 bits (1727), Expect = 0.0

Identities = 342/372 (91%), Positives = 343/372 (92%)

Query: 7 MKSVLVVALLVIFQVCLCQDEVTDYIGDNTTVDYTLFESLCSKKDVRNFKAWFLPIMYS 66  
 MKSVLVVALLVIFQVCLCQDEVTDYIGDNTTVDYTLFESLCSKKDVRNFKAWFLPIMYS  
 Sbjct: 1 MKSVLVVALLVIFQVCLCQDEVTDYIGDNTTVDYTLFESLCSKKDVRNFKAWFLPIMYS 60

Query: 67 IICFXXXXXXXXXXXXTYIYFKRLKTMTDTYLLNLAVADILFLLTLPFWAYSAAKSWVFGV 126  
 IICF TYIYFKRLKTMTDTYLLNLAVADILFLLTLPFWAYSAAKSWVFGV  
 Sbjct: 61 IICFVGLLGNGLVLTYYIYFKRLKTMTDTYLLNLAVADILFLLTLPFWAYSAAKSWVFGV 120


Query: 127 HFCKLIFAIYKMSFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSKVGSAILA 186  
 HFCKLIFAIYKMSFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSKV G ILA  
 Sbjct: 121 HFCKLIFAIYKMSFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSKVGIWILA 180

Query: 187 TVLSIPELLYSDLQRRSSSEQAMRCSLITEHVEAFITIQVQMVGFLVPLLAMSF CYLVI 246  
 TVLSIPELLYSDLQRRSSSEQAMRCSLITEHVEAFITIQVQMVGFLVPLLAMSF CYLVI  
 Sbjct: 181 TVLSIPELLYSDLQRRSSSEQAMRCSLITEHVEAFITIQVQMVGFLVPLLAMSF CYLVI 240

Query: 247 IRTLLQARNFERNXXXXXXXXXXXXXXXXXQLPYNGVVLAQTVANFNITSSTCELSKQLNI 306  
 IRTLLQARNFERN QLPYNGVVLAQTVANFNITSSTCELSKQLNI  
 Sbjct: 241 IRTLLQARNFERNKAIKVIIAVVVVFIVFQLPYNGVVLAQTVANFNITSSTCELSKQLNI 300

Query: 307 AYDVTYSLACVRCCVNPFLYAFIGVKFRNDIFKLFKDLGCLSQEQLRQWSSCRHIRRSM 366  
 AYDVTYSLACVRCCVNPFLYAFIGVKFRND+FKLFKDLGCLSQEQLRQWSSCRHIRRSM  
 Sbjct: 301 AYDVTYSLACVRCCVNPFLYAFIGVKFRNDLFLFKDLGCLSQEQLRQWSSCRHIRRSM 360

Query: 367 SVEAETTTTFSP 378  
 SVEAETTTTFSP  
 Sbjct: 361 SVEAETTTTFSP 372

 >gi|56553516|gb|AAV97930.1| chemokine receptor 7 [Bos taurus]

Length = 379

Score = 635 bits (1638), Expect = 0.0

Identities = 319/379 (84%), Positives = 338/379 (89%), Gaps = 1/379 (0%)

Query: 1 MDLGKPMKSVLVVALLVIFQVCLCQDEVTDDYIGDNTTVDYTLFESLCSKKDVRNFKAWF 60  
 MDLGKPMK+VLVVALLVIFQVCLCQDEVTD+YIGDNTTVDYTL+ES+C KKDVRNFKAWF  
 Sbjct: 1 MDLGKPMKNVLVVALLVIFQVCLCQDEVTDNIGDNTTVDYTLYESVCFKKDVRNFKAWF 60

Query: 61 LPIMYSIICFXXXXXXXXXXXXTYIYFKRLKTMTDTYLLNLAVADILFLLTLPFWAYSAAK 120  
 LPIMYSIICF TYIYFKRLKTMTDTYLLNLAVADILFLLTLPFWAYSAAK  
 Sbjct: 61 LPIMYSIICFVGLLGNGLVMLTYIYFKRLKTMTDTYLLNLALADILFLLTLPFWAYSAAK 120






Query: 121 SWVFGVHFCKLIFAIYKMSFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSKV 180  
 SWVFGVH CKLIF IYK+SFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSK+  
 Sbjct: 121 SWVFGVHVCKLIFGIYKISFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSCL 180

Query: 181 GSAILATVLSIPELLYSDLQRSSEQAMRCSLITEHVEAFITIQVQMVIGFLVPLLAMS 240  
 G +LA VLS PE++YS +Q+SSSEQA+RCSL+TEHVEA ITIQVQMV+GFL+PL+AMS  
 Sbjct: 181 GIWMLAIVLSTPEVMYSGIQSSSEQALRCSLITEHVEALITIQVQMVVGFLIPLMAMS 240

Query: 241 FCYLVIIIRTLLQARNFERNXXXXXXXXXXXXXXXXXQLPYNGVVLAQTVANFNITSST-CE 299  
 FCYLVIIIRTLLQARNFERN QLPYNGVVLA TVANFNITS T CE  
 Sbjct: 241 FCYLVIIIRTLLQARNFERNKAIKVIIAVVVVFVAFQLPYNGVVLAHTVANFNITSSTSGTSC 300

Query: 300 LSKQLNIAVDVTSYLACVRCCVNPFLYAFIGVKFRNDIFKLFKDLGCLSQEQLRQWSSCR 359  
 LSKQLNIAVDVTSYLACVRCCVNPFLYAFIGVKFR+D+FKLFKDLGCLSQEQLRQWS CR  
 Sbjct: 301 LSKQLNIAVDVTSYLACVRCCVNPFLYAFIGVKFRSDLFKLFKDLGCLSQEQLRQWSFCR 360

Query: 360 HIRRSSMSVEAETTTTFSP 378  
 H RRSMSVEAETTTTFSP  
 Sbjct: 361 HTRRSSMSVEAETTTTFSP 379

 >gi|48374059|ref|NP\_001001532.1|  chemokine (C-C motif) receptor 7 [Sus scrofa]  
 gi|40363611|dbj|BAD06309.1|  chemokine (C-C motif) receptor 7 [Sus scrofa]  
 gi|28569985|dbj|BAC57929.1|  chemokine receptor 7 [Sus scrofa]  
 gi|28557110|dbj|BAC57561.1|  chemokine receptor 7 [Sus scrofa]

Length = 380

Score = 634 bits (1635), Expect = e-180

Identities = 323/380 (85%), Positives = 337/380 (88%), Gaps = 2/380 (0%)

Query: 1 MDLGKPMK-SVLVALLVIFQVCLCQDEVTDDYIGDNTTVDYTLFESLCSKKDVRNFKAW 59  
 MDLGKPMK S+LVVALLVIFQVCLCQDEVTDDYIGDNTTVDYTL+ES+C KKDVR FKAW  
 Sbjct: 1 MDLGKPMKKSLLVVALLVIFQVCLCQDEVTDDYIGDNTTVDYTLYESVCFKKDVRTFKAW 60

Query: 60 FLPIMYSIICFXXXXXXXXXXXXTYIYFKRLKTMTDTYLLNLAVADILFLLTLPFWAYSAA 119  
 FLP+MYSIICF TYIYFKRLKTMTDTYLLNLAVADILFLLTLPFWAYSAA  
 Sbjct: 61 FLPVMYSIICFVGLLGNGLVMLTYIYFKRLKTMTDTYLLNLAVADILFLLTLPFWAYSAA 120



Query: 120 KSWVFGVHFCKLIFAIYKMSFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSKV 179  
 KSWVFGVH CKLIF IYK+SFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSK  
 Sbjct: 121 KSWVFGVHVCKLIFGIYKISFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSK 180

Query: 180 VGSAILATVLSIPELLYSDLQRSSEQAMRCSLITEHVEAFITIQVQMVIGFLVPLLAM 239  
 VG +LA VLS PELLYS Q+SSSEQA+RCSLITEHVEA ITIQVQMV+GFL+PL+AM  
 Sbjct: 181 VGIWMLAMVLTSTPELLYSGTQKSSSEQALRCSLITEHVEALITIQVQMVVGFLIPLVAM 240

Query: 240 SFCYLVIIRTLLQARNFERNXXXXXXXXXXXXXXXXXQLPYNGVVLAQTVANFNITSST-C 298  
 SFCYLVIIRTLLQARNFERN QLPYNGVVLAQTVANFNITS T C  
 Sbjct: 241 SFCYLVIIRTLLQARNFERNKAIKVIIAVVVVFVAFQLPYNGVVLAQTVANFNITSGTSC 300

Query: 299 ELSKQLNIAYDVTYSLACVRCCVNPFLYAFIGVKFRNDIFKLFKDLGCLSQEQLRQWSSC 358  
 ELSKQLNIAYDVTYSLACVRCCVNPFLYAFIGVKFR+D+FKLFKDLGCLSQE+LRQWSSC  
 Sbjct: 301 ELSKQLNIAYDVTYSLACVRCCVNPFLYAFIGVKFRSDLFKLFKDLGCLSQERLRQWSSC 360

Query: 359 RHIRRSSMSVEAETTTTFSP 378  
 RH RRSSMS EAETTTTFSP  
 Sbjct: 361 RHTRSSMSAEAETTTTFSP 380

 >gi|57091575|ref|XP\_548131.1|  PREDICTED: similar to chemokine receptor 7 [Canis  
 Length = 399

Score = 625 bits (1613), Expect = e-178  
 Identities = 316/379 (83%), Positives = 333/379 (87%), Gaps = 1/379 (0%)

Query: 1 MDLGKPMKSVLVVALLVIFQVCLCQDEVTDDYIGDNTTVDYTLFESLCSKKDVRNFKAWF 60  
 M LGKPMKS+LVVALLVIFQVCLCQDEVTDDYIG+NTTVDYTL+ES+C KKDVRNFKAWF  
 Sbjct: 21 MQLGKPMKSLLVVALLVIFQVCLCQDEVTDDYIGDNTTVDYTLYESVCFKKDVRNFKAWF 80

Query: 61 LPIMYSIICFXXXXXXXXXXXXTYIYFKRLKTMDDTYLLNLAVADILFLLTLPFWAYSAAK 120  
 LPIMYSIICF TYIYFKRLKTMDDTYLLNL+ADILFLLTLPFWAYSAAK  
 Sbjct: 81 LPIMYSIICFMGLLGNGLVVLTYIYFKRLKTMDDTYLLNLAMADILFLLTLPFWAYSAAK 140



Query: 121 SWVFGVHFCKLIFAIYKMSFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSKV 180  
 SW FGVH CK+IF IYK+FFSGMLLLLCISIDRYVAIVQAVSAHRHRARVL ISKLSCV  
 Sbjct: 141 SWTFGVHVCKIIFGIYKISFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLFISKLSKV 200

Query: 181 GSAILATVLSIPELLYSIDLQSSSEQAMRCSLITEHVEAFITIQVQMVGFLVPLAMS 240  
 G +LA VLS PELLYS LQ+SSSEQA+RCSL T VEA ITIQVQMVGFL+PL AMS  
 Sbjct: 201 GIWMLAMVLSTPELLYSGLQSSSEQALRCSLNTNQVEALITIQVQMVGFLIPLGAMS 260

Query: 241 FCYLVIIRTLLQARNFERNXXXXXXXXXXXXXXXXXQLPYNGVVLAQTVANFNIT-SSTCE 299  
 FCYLVIIRTLLQARNFERN QLPYNGV+LAQTVANFNIT S +CE  
 Sbjct: 261 FCYLVIIRTLLQARNFERNKAIKVIIAVVVVFIAFQLPYNGVILAQTVANFNITGSGSCE 320

Query: 300 LSKQLNIAYDVTYSLACVRCCVNPFLYAFIGVKFRNDIFKLFKDLGCLSQEQLRQWSSCR 359  
 LSKQLNIAYD+TYSLACVRCCVNPFLYAFIGVKFR+D+FKLFKDLGCLSQEQLRQWSSCR  
 Sbjct: 321 LSKQLNIAYDITYSLACVRCCVNPFLYAFIGVKFRSDLFKLFKDLGCLSQEQLRQWSSCR 380

Query: 360 HIRRSSMSVEAETTTTFSP 378  
 H RRSSMSVEAETTTTFSP  
 Sbjct: 381 HTRSSMSVEAETTTTFSP 399

 >gi|26332358|dbj|BAC29909.1|  unnamed protein product [Mus musculus]  
 Length = 378

Score = 603 bits (1555), Expect = e-171  
 Identities = 300/378 (79%), Positives = 326/378 (86%)

Query: 1 MDLGKPMKSVLVVALLVIFQVCLCQDEVTDDYIGDNTTVDYTLFESLCSKKDVRNFKAWF 60  
 MD GKP K+VLVALLVIFQVC CQDEVTDDYIG+NTTVDYTL+ES+C KKDVRNFKAWF



Sbjct: 1 MDPGKPRKNVLVALLVIFQVCFCQDEVTDYIGENTTVDYTLYESVCFKKDVRNFKAWF 60

Query: 61 LPIMYSIICFXXXXXXXXXXXTYIYFKRLKTMTDTYLLNLAVADILFLLTLFPWAYSAAK 120  
LP+MYS+ICF TYIYFKRLKTMTDTYLLNLAVADILFLL LPWAYS AK

Sbjct: 61 LPLMYSVICFVGLLGNGLVILTYYIYFKRLKTMTDTYLLNLAVADILFLLILPFWAYSEAK 120

Query: 121 SWVFGVHFCKLIFAIYKMSFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSKV 180  
SW+FGV+ CK IF IYK+SFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSKV

Sbjct: 121 SWIFGVYLCCKGIFGIYKLSFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSKV 180

Query: 181 GSAILATVLSIPELLYSIDLQSSSEQAMRCSLITEHVEAFITIQVQVMVIGFLVPLLAMS 240  
G +LA LSIPELLYS LQ++S E +RCSL++ VEA ITIQVQVMV GFLVP+LAMS

Sbjct: 181 GIWMLALFLSIPELLYSGLQKNSGEDTLRCSLVSQAQVEALITIQVQVMVFGFLVPLLAMS 240

Query: 241 FCYLVIIRTLLQARNFERNXXXXXXXXXXXXXXXXXQLPYNGVVLAQTVANFNITSSTCEL 300  
FCYL+IIRTLLQARNFERN QLPYNGVVLAQTVANFNIT+S+CE

Sbjct: 241 FCYLIIRTLLQARNFERNKAIKVIIAVVVVFIVFQLPYNGVVLAQTVANFNITNSSCET 300

Query: 301 SKQLNIAVDVTYSLACVRCCVNPFLYAFIVGKFRNDIFKLFKDLGCLSQEQLRQWSSCRH 360  
SKQLNIAVDVTYSLA VRCCVNPFLYAFIVGKFR+D+FKLFKDLGCLSQE+LR WSSCRH

Sbjct: 301 SKQLNIAVDVTYSLASVRCCVNPFLYAFIVGKFRSDLFKLFKDLGCLSQERLRHWSSCRH 360

Query: 361 IRRSSMSVEAETTTTFSP 378  
+R +S+S+EAETTTTFSP

Sbjct: 361 VRNASVSMEAETTTTFSP 378

[gi|6671772|ref|NP\\_031745.1](#) **G** chemokine (C-C motif) receptor 7 [Mus musculus]  
[gi|468341|gb|AA74232.1](#) **G** G protein-coupled receptor [Mus musculus]  
[gi|1083330|pir|A55735](#) G protein-coupled receptor EBI1 - mouse  
[gi|1352336|sp|P47774|CKR7\\_MOUSE](#) **G** C-C chemokine receptor type 7 precursor (C-C CK  
 (CCR-7) (MIP-3 beta receptor) (EBV-induced G  
 protein-coupled receptor 1) (EBI1)  
 Length = 378

Score = 601 bits (1550), Expect = e-171  
 Identities = 299/378 (79%), Positives = 325/378 (85%)

Query: 1 MDLGKPMKSVLVALLVIFQVCLCQDEVTDYIGDNTTVDYTLFESLCSKKDVRNFKAWF 60  
MD GKP K+VLVALLVIFQVC CQDEVTDYIG+NTTVDYTL+ES+C KKDVRNFKAWF

Sbjct: 1 MDPGKPRKNVLVALLVIFQVCFCQDEVTDYIGENTTVDYTLYESVCFKKDVRNFKAWF 60

Query: 61 LPIMYSIICFXXXXXXXXXXXTYIYFKRLKTMTDTYLLNLAVADILFLLTLFPWAYSAAK 120  
LP+MYS+ICF TYIYFKRLKTMTDTYLLNLAVADILFLL LPWAYS AK

Sbjct: 61 LPLMYSVICFVGLLGNGLVILTYYIYFKRLKTMTDTYLLNLAVADILFLLILPFWAYSEAK 120

Query: 121 SWVFGVHFCKLIFAIYKMSFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSKV 180  
SW+FGV+ CK IF IYK+SFFSGMLLLLCISIDRYVAIVQAVS HRHRARVLLISKLSKV

Sbjct: 121 SWIFGVYLCCKGIFGIYKLSFFSGMLLLLCISIDRYVAIVQAVSRHRHRARVLLISKLSKV 180

Query: 181 GSAILATVLSIPELLYSIDLQSSSEQAMRCSLITEHVEAFITIQVQVMVIGFLVPLLAMS 240  
G +LA LSIPELLYS LQ++S E +RCSL++ VEA ITIQVQVMV GFLVP+LAMS





Sbjct: 181 GIWMLALFLSIPELLYSGLQKNSGEDTLRCSLVSQAQVEALITIQVQVMVFGFLVPLLAMS 240

Query: 241 FCYLVIIRTLLQARNFERNXXXXXXXXXXXXXXXXXQLPYNGVVLAQTVANFNITSSTCEL 300  
FCYL+IIRTLLQARNFERN QLPYNGVVLAQTVANFNIT+S+CE

Sbjct: 241 FCYLIIRTLLQARNFERNKAIKVIIAVVVVFIVFQLPYNGVVLAQTVANFNITNSSCET 300

Query: 301 SKQLNIAVDVTYSLACVRCCVNPFLYAFIGVKFRNDIFKLFKDLGCLSQEQLRQWSSCRH 360  
 SKQLNIAVDVTYSLA VRCCVNPFLYAFIGVKFR+D+FKLFKDLGCLSQE+LR WSSCRH  
 Sbjct: 301 SKQLNIAVDVTYSLASVRCCVNPFLYAFIGVKFRSDLFKLFKDLGCLSQERLRHWSSCRH 360

Query: 361 IRRSSMSVEAETTTTFSP 378  
 +R +S+S+EAETTTTFSP  
 Sbjct: 361 VRNASVSMEAETTTTFSP 378

 >gi|58477681|gb|AAH89762.1|  Chemokine (C-C motif) receptor 7 [Rattus norvegicus]  
 gi|41054914|ref|NP\_955783.1|  chemokine (C-C motif) receptor 7 [Rattus norvegicus]  
 gi|38570235|gb|AAR24573.1|  chemokine receptor 7-like protein [Rattus norvegicus]  
 Length = 378

Score = 601 bits (1549), Expect = e-170  
 Identities = 297/378 (78%), Positives = 325/378 (85%)

Query: 1 MDLGKPMKSVLVVALLVIFQVCLCQDEVTDYIGDNTTVDYTLFESLCSKKDVRNFKAWF 60  
 MDLGK K+VLVALLVIFQVC CQDEVTDYIG+NTTVDYTL+ES+C KKDVRNFKAWF  
 Sbjct: 1 MDLGKPTKNVLVALLVIFQVCFCQDEVTDYIGENTTVDYTLYESVCFKKDVRNFKAWF 60

Query: 61 LPIMYSIICFXXXXXXXXXXXXXXTYIYFKRLKTM TD TYLLNLAVADILFLLTLPFWAYSAAK 120  
 LP+MYS+ICF TYIYFKRLKTM TD TYLLNLAVADILFL+ LPFWAYS AK  
 Sbjct: 61 LPLMYSVICFVGLLGNGLVLTYYIYFKRLKTM TD TYLLNLAVADILFLMILPFWAYSEAK 120



Query: 121 SWVFGVHFCKLIFAIYKMSFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSKV 180  
 SW+FG + CK IF IYK+SFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSK+  
 Sbjct: 121 SWIFGAYLCKSIFGIYKLSFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSKI 180

Query: 181 GSAILATVLSIPELLYSIDLQRSSSEQAMRCSLITEHVEAFITIQVQMVGFLVPLLAM 240  
 G LA LSIPELLYS LQ++S E RCSL++ VEA I IQVQMVG+GF++P+LAM  
 Sbjct: 181 GIWTLAFLLSIPELLYSGLQKNSGEDTWRCSLVSAQVEALIAIQVQMVGFLVPLLAM 240

Query: 241 FCYLVIIRTLLQARNFERNXXXXXXXXXXXXXXXXXQLPYNGVVLAQTVANFNITSSSTCEL 300  
 FCYLVIIRTLLQARNFERN QLPYNGVVLAQTVANFNIT+S+CE  
 Sbjct: 241 FCYLVIIRTLLQARNFERNKAIKVIIAVVVVFVQLPYNGVVLAQTVANFNITSSSCEA 300

Query: 301 SKQLNIAVDVTYSLACVRCCVNPFLYAFIGVKFRNDIFKLFKDLGCLSQEQLRQWSSCRH 360  
 SKQLNIAVDVTYSLA VRCCVNPFLYAFIGVKFR+D+FKLFKDLGCLSQE+LRQWSSCRH  
 Sbjct: 301 SKQLNIAVDVTYSLASVRCCVNPFLYAFIGVKFRSDLFKLFKDLGCLSQERLRQWSSCRH 360

Query: 361 IRRSSMSVEAETTTTFSP 378  
 +R +S+S+EAETTTTFSP  
 Sbjct: 361 VRHTSVSMEAETTTTFSP 378

 >gi|50760889|ref|XP\_425875.1|  PREDICTED: similar to CC chemokine receptor 7 [(  
 Length = 375

Score = 421 bits (1082), Expect = e-116  
 Identities = 223/370 (60%), Positives = 272/370 (73%), Gaps = 8/370 (2%)

Query: 10 VLVALLVIFQVCLCQDEVTDYIGDNTTVDYTLFESLCSKKDVRNFKAWFLPIMYSIIC 69  
 VL++ L+ F + VTDDY NTT+DY +FE +C KK+VR+F+A FLP MYS+IC  
 Sbjct: 13 VLLLCRLISF---CAGNNVTDDYDA-NTTIDYNMFEMMCEKKEVRDFRAAFLPAMYSLIC 68

Query: 70 FXXXXXXXXXXXXXXTYIYFKRLKTM TD TYLLNLAVADILFLLTLPFWAYSAAKSWVFGVHFC 129

F TYIYFKRLKTMTD YLLNLA+ADILFLLTLPFWA SAA W FG C  
 Sbjct: 69 FTGLLGNGLVMLTYIYFKRLKTMTDIYLLNLALADILFLLTLPFWATSAATFWCFGEFAC 128

Query: 130 KLIFAIYKMSFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSVGSAILATVL 189  
 K ++ I KMSFFSGMLLLL ISIDRY AIVQA SAHR R R++ ISK++C+ +LA VL  
 Sbjct: 129 KAVYCKICKMSFFSGMLLLLSISIDRYFAIVQAASAHFRPRMIFISKVTCILIWLLAFVL 188

Query: 190 SIPELLYSDLQRSSEQAMRCSLITEHVEAFIT-IQVAQMVGFLVPLLAMSFCYLVIIR 248  
 SIPEL++S + S RCS+I ++ F T I+V+QMV GFLVPL+ MS CYL+II+  
 Sbjct: 189 SIPELVHSGVNNYDSHP--RCSIIASDLQTFSTGIKVSQMVFGFLVPLVMSVCYLIHIIK 246

Query: 249 TLLQARNFERNXXXXXXXXXXXXXXXXXQLPYNGVVLAQTVANFNITSSTCELSKQLNIAY 308  
 TLLQARNFE+N QLPYNGV+LA+T++ FN TSS C+ SK+L++A  
 Sbjct: 247 TLLQARNFEKNAIKVIIAVVIVFVVFQLPYNGVMLAKTISVFNNNTSS-CDESKKLDMDAD 305

Query: 309 DVTYSLACVRCCVNPFLYAFIGVKFRNDIFKLFKDLGCLSQEQLRQWSSCRHIRRSSMSV 368  
 DVTY+LAC RCC+NPFLYAFIGVKFRND+FKL K+LGCLSQ++L Q SSCR +R S ++  
 Sbjct: 306 DVTYTLACFRCCLNPFYAFIGVKFRNDLFKLLKELGCLSQQRLWQLSSCRESKRFSFAM 365

Query: 369 EAETTTTFSP 378  
 E ETTTTFSP  
 Sbjct: 366 ETETTTTFSP 375

 >gi|33415854|gb|AAQ18436.1|  chemokine receptor 7 [Bos taurus]  
 Length = 246

Score = 409 bits (1050), Expect = e-113  
 Identities = 210/247 (85%), Positives = 222/247 (89%), Gaps = 2/247 (0%)

Query: 133 FAIYKMSFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSVGSAILATVLSIP 192  
 FAIYKMSFFSGMLLLL CISIDRYVAIVQAVSAHRHRARVLLISKLSG +LA VLS P  
 Sbjct: 1 FAIYKMSFFSGMLLLL-CISIDRYVAIVQAVSAHRHRARVLLISKLSCLGIWMLAIVLSTP 59

Query: 193 ELLYSDLQRSSEQAMRCSLITEHVEAFITIQVAQMVGFLVPLLAMSFCYLVIIRTLLQ 252  
 E++YS +Q+SSSEQA+RCSL+TEHVEA ITIQVAQMV+GFL+PL+AMSFYCYLVIIRTLLQ  
 Sbjct: 60 EVMYSGIQKSSSEQALRCSLVTEHVEALITIQVAQMVVGFLIPLMAMSFYCYLVIIRTLLQ 119

Query: 253 ARNFERNXXXXXXXXXXXXXXXXXQLPYNGVVLAQTVANFNITSST-CELSKQLNIAYDVT 311  
 ARNFERN QLPYNGVVLAQTVANFNITS T CELSKQLNIAYDVT  
 Sbjct: 120 ARNFERNKAIKVIIAVVVVFVAFQLPYNGVVLAQTVANFNITSGTSCELSKQLNIAYDVT 179

Query: 312 YSLACVRCCVNPFLYAFIGVKFRNDIFKLFKDLGCLSQEQLRQWSSCRHIRRSSMSVEAE 371  
 YSLACVRCCVNPFLYAFIGVKFRND+FKLFKDLGCLSQEQLRQWSSCRHIRRSSMSVEAE  
 Sbjct: 180 YSLACVRCCVNPFLYAFIGVKFRNDLFKLFKDLGCLSQEQLRQWSSCRHIRRSSMSVEAE 239

Query: 372 TTTTFSP 378  
 TTTTFSP  
 Sbjct: 240 TTTTFSP 246

 >gi|49118818|gb|AAH73273.1|  MGC80638 protein [Xenopus laevis]  
 Length = 358

Score = 375 bits (963), Expect = e-102  
 Identities = 186/364 (51%), Positives = 251/364 (68%), Gaps = 7/364 (1%)

Query: 16 LVIFQVCLCQDEVTDYIGDNTTVDYTLFESLCSKKDVRNFKAWFLPIMYSIICFXXXXX 75  
 + FQ+ + +D V+ D +T+DY+ +++C K DVR F++ FLP MY+IIC  
 Sbjct: 1 MATFQLAVGEDNVSTDENVPYSTMDYSDLQTVQCQKGDVTRFRSSFLPAMYTIICLVGLAG 60

Query: 76 XXXXXXTYIYFKRLKTMDDTYLLNLAVADILFLLTLPFWAYSAAKSWVFGVHFKLIFAI 135  
 Y+YF RLK TD Y+LNLA+ADI+FLLTLPFWA S AK+WVFG CK+I+ +  
 Sbjct: 61 NGLVMIRYLYFNRLKNGTDYMLNLAIADIVFLLTLPFWAVSVAKNWVFGSEMCKIIYCL 120


Query: 136 YKMSFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSCVGSAILATVLSIPELL 195  
 YKMSFFSGM LL+C+S++RY AIVQA SAHRHR++ +LISKLS +G + A +LSIPELL  
 Sbjct: 121 YKMSFFSGMFLLMCVSMERYFAIVQAPSARHRRSKTVLISKLSLGIWVFAFLLSIPELL 180

Query: 196 YSDLQRSSEQAMRCSLITEHVEAF-ITIQVQMVGFLVPLLAMSFCYLVIIRTLLQAR 254  
 YS + + C + + +++ +++++QM GF +PL+ M+ CY +IIR LLQAR  
 Sbjct: 181 YSGVNNNGG--VNMCIIFSNSIQSLSAKLKISQMFFGFFLPLIIMALCYCMIIRKLLQAR 238

Query: 255 NFERNXXXXXXXXXXXXXXXXXQLPYNGVLAQTVANFNITSSTCELSKQLNIAYDVTYSL 314  
 NFE+ QLPYN V+L +T N + CE SK+L+IA DVTYSL  
 Sbjct: 239 NFEKYKAIKVIIAIVIVFVAFQLPYNSVMLIKTFDN----GTDCEASKKLDIADDVTYSL 294

Query: 315 ACVRCCVNPFLYAFIGVKFRNDIFKLFKDLGCLSQEQLRQWSSCRHIRRSSMSVEAETTT 374  
 AC RCC+NPFLYA IG+KFRND+ KLFKD+GCLSQE++ +WSS + RR+S +++ ETTT  
 Sbjct: 295 ACFRCCLNPFLYAIIGIKFRNDLCKLFKDIGCLSQEKITEWSSAKPSRRTSFAMDTETTT 354

Query: 375 TFSP 378  
 TFSP  
 Sbjct: 355 TFSP 358

 >gi|47223975|emb|CAG06152.1| unnamed protein product [Tetraodon nigroviridis]  
 Length = 848

Score = 286 bits (731), Expect = 9e-76

Identities = 149/339 (43%), Positives = 205/339 (60%), Gaps = 9/339 (2%)

Query: 38 TVDYTLFESLCSKKDVRNFKAWFLPIMYSIICFXXXXXXXXXXXXTYIYFKRLKTMDDTYL 97  
 T DY+ F ++C K+ R F+ WF+P YS+I F T+ YFKRLKTMDD YL  
 Sbjct: 1 TADYSTFPFTVCVKELNRQFRRWFMPFTFYSVIFFLGLAGNLLVILTFYFKRLKTMDDVYL 60

Query: 98 LNLAVADILFLLTLPFWAYSAAKSWVFGVHFKLIFAIYKMSFFSGMLLLLCISIDRYVA 157  
 LNL+ AD+LF L+LPFWA + WV G C ++ +YK+SF+S M LL CIS+DRY A  
 Sbjct: 61 LNL5FADLLFALSPLFWAANTMTKWVLGEEMCIAMYTVMYKVSFYSSMFLCCISVDRYFA 120

Query: 158 IVQAVSAHRHRARVLLISKLSCVGSAILATVLSIPELLYSDLQRSSEQAMRCSLITEHV 217  
 I +A SA+R+R++ + +SK+S + A + S+PE+ Y+ + ++ C+ T  
 Sbjct: 121 ISKATSAYRYSQTMFLSKVSSAVVWVAALIFSMPEMRYTSVNNNT-----CTPYTGSK 174

Query: 218 EAF-ITIQVQMVGFLVPLLAMSFCYLVIIRTLLQARNFERNXXXXXXXXXXXXXXXXXQ 276  
 + + IQV Q+V+ F +PL+ MS CY II+TL QA+NERN Q  
 Sbjct: 175 DQLRVIIQVGQIVLAFALPLVIMSICYSSIIKTLCAQNERNKAIKVLAVVAVFLVSQ 234

Query: 277 LPYNGVLAQTVANFNITSSTCELSKQLNIAYDVTYSLACVRCCVNPFLYAFIGVKFRND 336  
 +PYN V+ T+ +++C L A DVT LA RCC+NP +YAFIGVKFRND  
 Sbjct: 235 VPYNLVLFWSTLVTAAGGTTSCSYDNNLLYATDVTQCLAFFRCCLNPVYAFIGVKFRND 294

Query: 337 IFKLFKDLGCLSQEQLRQWSSCRHIRRSSMSVEAETTTT 375  
 + KL KD GC+S E +++S R RRSS E ETTT  
 Sbjct: 295 LLKLLKDWGCMSESFFKYTSRR--RRSSGFTETETTTT 331

>gi|14043042|ref|NP\_112477.1| **G** chemokine (C-C motif) receptor 9 isoform A [Homo  
 gi|46854634|gb|AAH69678.1| **G** Chemokine (C-C motif) receptor 9, isoform A [Homo sa  
 gi|7673009|gb|AAF66699.1| **G** CC chemokine receptor 9A [Homo sapiens]  
 gi|4886432|emb|CAB43477.1| **G** chemokine receptor CCR9 [Homo sapiens]  
 Length = 369

Score = 251 bits (641), Expect = 2e-65

Identities = 128/335 (38%), Positives = 198/335 (59%), Gaps = 16/335 (4%)

Query: 28 VTDDYIGDNTT-----VDYTLFESLCSKDVDNRNFKAWFLPIMYSIICFXXXXXXXXXXXXXT 82  
 + DDY ++T+ V++ + C K +VR F + FLP +Y ++  
 Sbjct: 13 MADDYGSESTSSMEDYVNFNFTDFYCEKNNVRQFASHFLPPLYWLVFIVGALGNSLVILV 72

Query: 83 YIYFKRLKTMTDTYLLNLAVADILFLLTLFPWAYSAAKSWVFGVHFCKLIFAIYKMSFFS 142  
 Y Y R+KTMTD +LLNLA+AD+LFL+TLPFWA +AA W F CK++ ++YKM+F+S  
 Sbjct: 73 YWYCTRVKTMDFLLNLAIADLLFLVTLFPWAIAAADQWKFTFMCKVVNSMYKMFYS 132

Query: 143 GMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSVGSAILATVLSIPELLYSDLQRS 202  
 +LL++CIS+DRY+AI QA+ AH R + LL SK+ C +LA L IPE+LYS ++  
 Sbjct: 133 CVLLIMCISVDRYIAIAQAMRAHTWREKRLLYSKMVCFTIWLAAALCIPEILYSQIKEE 192

Query: 203 SSEQAMRCSLI-----TEHVEAFITIQVAQMVGFLVPLLAMSFICYLVIIRTLQARNF 256  
 S C+++ T+ A +T++V ++GF +P + M+ CY +II TL+QA+  
 Sbjct: 193 SG--IAICTMVYPSDESTKLKSAVLTCLKV---ILGFFLPFVVMACCYTIIHTLIQAKKS 247

Query: 257 ERNXXXXXXXXXXXXXXXXXQLPYNGVVLQAQTVANFNITSSTCELSKQLNIAVDVTSYSLAC 316  
 ++ Q PYN ++L QT+ + + S C +S ++I + VT ++A  
 Sbjct: 248 SKHKALKVTITVLTVFVLSQFPYNCILLVQTIDAYAMFISNCAVSTNIDICFQVTQTIAF 307

Query: 317 VRCCVNPFYAFIGVKFRNDIFKLFKDLGCLSQQEQ 351  
 C+NP LY F+G +FR D+ K K+LGC+SQ Q  
 Sbjct: 308 FHSCLPVLYVFGVGERFRDLVKTCLKNLGCISQAQ 342

>gi|14043044|ref|NP\_006632.2| **G** chemokine (C-C motif) receptor 9 isoform B [Homo  
 gi|29825379|gb|AAO92294.1| **G** chemokine (C-C motif) receptor 9 [Homo sapiens]  
 gi|7673011|gb|AAF66700.1| **G** CC chemokine receptor 9B [Homo sapiens]  
 gi|1245055|gb|AAA93319.1| **G** GPR-9-6  
 gi|1730237|sp|P51686|CKR9 HUMAN **G** C-C chemokine receptor type 9 (C-C CKR-9) (CC-C  
 (GPR-9-6)  
 Length = 357

Score = 251 bits (641), Expect = 2e-65

Identities = 128/335 (38%), Positives = 198/335 (59%), Gaps = 16/335 (4%)

Query: 28 VTDDYIGDNTT-----VDYTLFESLCSKDVDNRNFKAWFLPIMYSIICFXXXXXXXXXXXXXT 82  
 + DDY ++T+ V++ + C K +VR F + FLP +Y ++  
 Sbjct: 1 MADDYGSESTSSMEDYVNFNFTDFYCEKNNVRQFASHFLPPLYWLVFIVGALGNSLVILV 60

Query: 83 YIYFKRLKTMTDTYLLNLAVADILFLLTLFPWAYSAAKSWVFGVHFCKLIFAIYKMSFFS 142  
 Y Y R+KTMTD +LLNLA+AD+LFL+TLPFWA +AA W F CK++ ++YKM+F+S  
 Sbjct: 61 YWYCTRVKTMDFLLNLAIADLLFLVTLFPWAIAAADQWKFTFMCKVVNSMYKMFYS 120

Query: 143 GMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSVGSAILATVLSIPELLYSDLQRS 202

+LL++CIS+DRY+AI QA+ AH R + LL SK+ C +LA L IPE+LYS ++  
 Sbjct: 121 CVLLIMCISVDRIYIAIAQAMRAHTWREKRLLYSKMVCFTIWLAAALCIPEILYSQIKEE 180  
 Query: 203 SSEQAMRCSLI-----TEHVEAFITIQVQMVGFLVPLLAMSF CYLVIIRTLQARNF 256  
 S C+++ T+ A +T++V ++GF +P + M+ CY +II TL+QA+  
 Sbjct: 181 SG--IAICTMVYPSESTKLKSAVLTLLKV---ILGFFLPFVVMACCYTIIHTLIQAKKS 235  
 Query: 257 ERNXXXXXXXXXXXXXXXXXQLPYNGVVLAQTVANFNITSSTCELSKQLNIAVDVTSYSLAC 316  
 ++ Q PYN ++L QT+ + + S C +S ++I + VT ++A  
 Sbjct: 236 SKHKALKVTITVLTVFVLSQFPYNCILLVQTIDAYAMFISNCAVSTNIDICFQVTQTIAF 295  
 Query: 317 VRCCVNPFLYAFIGVKFRNDIFKLFKDLGCLSQQ 351  
 C+NP LY F+G +FR D+ K K+LGC+SQ Q  
 Sbjct: 296 FHSCLPVLYVFGFRRLVKTLLKSLGCISQAQ 330

>gi|57101682|ref|XP\_541909.1| **G** PREDICTED: similar to chemokine (C-C motif) rece  
 [Canis familiaris]  
 Length = 642

Score = 250 bits (639), Expect = 4e-65  
 Identities = 137/372 (36%), Positives = 208/372 (55%), Gaps = 15/372 (4%)

Query: 8 KSVLVVALLVIFQVCLCQDEVTDYIGDNTTV--DYTLFESL-CSKKDVRNFKAWFLPIM 64  
 K + +++V + ++DDY +T+ DY F L C K VR F + FLP +  
 Sbjct: 268 KQACIWSIMVPTEFTNLISNISDDYSYHSTSPVDDYMNFPDLFCQKGHVRQFASHFLPPL 327  
 Query: 65 YSIICFXXXXXXXXXXXYIYFKRLKTMTDYLLNLAVADILFLTLTPFWAYSAAKSWVF 124  
 Y ++ Y Y R+KTMTD +LLNLA+AD+LFL TLPFWA +AA W F  
 Sbjct: 328 YWLVFIVGTLGNSLVILVYCYCTRVKTMMDMFLNLAIADLLFLFTLPFWAIAAADQWK 387  
 Query: 125 GVHFCKLIFAIYKMSFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSVGS 184  
 CK++ ++YKM+F+S +LL++CIS+DRY+AI QA A R + L+ SK+ C +  
 Sbjct: 388 QTPCLKVNSMYKMFYSCVLLIMCISVDRIYIAIAQATKAQTWRQKRLVYSKMVCFTVWV 447  
 Query: 185 LATVLSIPELLYSIDLQRSSEQAMRCSLI---TEHVEAFITIQVQMVGFLVPLLAMSF 241  
 +A L IPELLYS L+ S C+++ ++ + + ++++GF +P + M+  
 Sbjct: 448 VAATLCIPELLYSQLKEES--DITICTMVYPSDQNSKVKSVVLTLLKVILGFFLPFVVMAC 505  
 Query: 242 CYLVIIRTLQARNFERNXXXXXXXXXXXXXXXXXQLPYNGVVLAQTVANFNITSSTCELS 301  
 CY +II TLLQAR ++ Q PYN ++L QT+ + + S C +S  
 Sbjct: 506 CYTIIYTLQARKSSKHKALKVTITVLTVFVLSQFPYNCILLVQTIDAYTVFLSNCAIS 565  
 Query: 302 KQLNIAVDVTSYSLACVRCCVNPFLYAFIGVKFRNDIFKLFKDLGCLSQQQLRQWSSCRH- 360  
 ++I + VT ++A C+NP LY F+G +FR D+ K K LGC+SQE QW S  
 Sbjct: 566 TNVDICFQVTQTIAFFHSCLPVLYVFGFRRLVKTLLKSLGCISQE---QWVSFTRR 622  
 Query: 361 ---IRRSSMSVE 369  
 ++ SSM +E  
 Sbjct: 623 EGSVKLSSMLE 634

>gi|6753462|ref|NP\_034043.1| **G** chemokine (C-C motif) receptor 9 [Mus musculus]  
 gi|4886533|emb|CAB43480.1| **G** chemokine receptor CCR9 [Mus musculus]  
 gi|7159932|emb|CAB66136.2| **G** CCR9 chemokine receptor [Mus musculus]  
 gi|26341364|dbj|BAC34344.1| **G** unnamed protein product [Mus musculus]

gi|12859710|dbj|BA331747.1| [G] unnamed protein product [Mus musculus]  
 gi|8134364|sp|Q9WUT7|CKR9 MOUSE [G] C-C chemokine receptor type 9 (C-C CKR-9) (CC-C  
 (Chemokine C-C receptor 10)  
 Length = 369

Score = 247 bits (631), Expect = 3e-64  
 Identities = 124/326 (38%), Positives = 192/326 (58%), Gaps = 11/326 (3%)

Query: 29 TDDYIGDNTTVDYTLFESLCSKKDVRNFKAWFLPIMYSIICFXXXXXXXXXXXXTYIYFKR 88  
 TDDY+ N + + C K +VR F + FLP +Y ++ Y Y R  
 Sbjct: 25 TDDYMNLNFSFFF-----CKKNVRQFASHFLPPLYWLVFIVGTLGNSLVILVYWYCTR 78

Query: 89 LKTMTDITYLLNLAVADILFLLTLPFWAYSAAKSWVFGVHFCKLIFAIYKMSFFSGMLLLL 148  
 +KTMTD +LLNLA+AD+LFL TLPFWA +AA W+F CK++ ++YKM+F+S +LL++  
 Sbjct: 79 VKTMTDMFLNLAIADLLFLATLPFWAIAAAGQWMEQTFMCKVVNSMYKMFYSCVLLIM 138

Query: 149 CISIDRYVAIVQAVSAHRHRARVLLISKLSVGSAILATVLSIPELLYSDLRSSSEQAM 208  
 CIS+DRY+AIVQA+ A R + LL SK+ C+ ++A VL PE+LYS Q S  
 Sbjct: 139 CISVDRYIAIVQAMKAQVWRQKRLLYSKMVCITIWVMAAVLCTPEILYS--QVSGESGIA 196

Query: 209 RCSLI---TEHVEAFITIQVQVMVIGFLVPLLAMSFCYLVIIIRTLLQARNFERNXXXXXX 265  
 C+++ ++ + + + ++ +GF +P + M+FCY +II TL+QA+ ++  
 Sbjct: 197 TCTMVYPKDKNAKLKSAVLILKVTLGFFLPFMVMAFCYTIIHTLVQAKKSSKHKALKVT 256

Query: 266 XXXXXXXXXXXXQLPYNGVVLAQTVANFNITSSSTCELSKQLNIAVDVTYSLACVRCCVNPFL 325  
 Q PYN +++ Q V + + S C +S ++I + VT ++A C+NP L  
 Sbjct: 257 ITVLTVFIMSQFPYNSILVVQAVDAYAMFISNCTISTNIDICFQVTQTIAFFHSCLNPVL 316

Query: 326 YAFIGVKFRNDIFKLFKDLGCLSQQEQ 351  
 Y F+G +FR D+ K K+LGC+SQ Q  
 Sbjct: 317 YVFVGERFRRLDLVKTLLKLGICISQAQ 342

>gi|27229230|ref|NP\_758832.1| [G] chemokine (C-C motif) receptor 9 [Rattus norvegicus]  
 gi|25991905|gb|AA76989.1| [G] chemokine receptor CCR9 [Rattus norvegicus]  
 Length = 369

Score = 247 bits (630), Expect = 4e-64  
 Identities = 127/330 (38%), Positives = 193/330 (58%), Gaps = 10/330 (3%)

Query: 30 DDYIGDNT--TVDY---TLFESLCSKKDVRNFKAWFLPIMYSIICFXXXXXXXXXXXXTYI 84  
 DDY D+T T DY C K +VR F + FLP +Y ++ Y  
 Sbjct: 15 DDYSYDSTASTDDYMNLNFSFFCKKNVRQFASHFLPPLYWLVFVVGTVGNSLVILVYW 74

Query: 85 YFKRLKTMTDITYLLNLAVADILFLLTLPFWAYSAAKSWVFGVHFCKLIFAIYKMSFFSGM 144  
 Y R+KTMTD +LLNLA+AD+LFL TLPFWA +AA W+F CK++ ++YKM+F+S +  
 Sbjct: 75 YCTRVKTMDFLLNLAIADLLFLATLPFWAIAAAGQWMEQTFMCKVVNSMYKMFYSCV 134

Query: 145 LLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSVGSAILATVLSIPELLYSDLRSSS 204  
 LL++CIS+DRY+AIVQA+ A R + LL SK+ C+ ++A VL PE+LYS Q S  
 Sbjct: 135 LLIMCISVDRYIAIVQAMKAQVWRQKRLLYSKMVCITIWVMAAVLCTPEILYS--QISGE 192





Query: 205 EQAMRCSLI---TEHVEAFITIQVQVMVIGFLVPLLAMSFCYLVIIIRTLLQARNFERNXX 261  
 C+++ ++ + + + ++ +GF +P + M+FCY +II TL+QA+ ++  
 Sbjct: 193 SGIAICTMVYPKDKNAKLKSAVLILKVTLGFFLPFMVMAFCYTIIHTLVQAKKSSKHKA 252

Query: 262 XXXXXXXXXXXXXXXQLPYNGVVLAQTVANFNITSSSTCELSKQLNIAVDVTYSLACVRCCV 321  
 Q PYN +++ Q V + + S C +S ++I + VT ++A C+

Sbjct: 253 LKVTITVLTVFIMSQFPYNCILVVQAVDAYTMFISNCTISTNIDICFQVTQTIAFFHSCL 312

Query: 322 NPFLYAFIGVKFRNDIFKLFKDLGCLSSEQ 351  
NP LY F+G +FR D+ K K+LGC+SQ Q

Sbjct: 313 NPVLYVVFVGERFRRDLVKTLKNLGCISQAQ 342

 >gi|48675913|ref|NP\_001001624.1|  chemokine C-C motif receptor 9 [Sus scrofa]  
gi|44890862|dbj|EAD12126.1|  chemokine C-C motif receptor 9 [Sus scrofa]  
gi|41688289|dbj|EAD08643.1|  chemokine (C-C motif) receptor 9 isoform A [Sus scr  
Length = 369

Score = 245 bits (626), Expect = 1e-63

Identities = 130/333 (39%), Positives = 191/333 (57%), Gaps = 16/333 (4%)

Query: 30 DDYIGDNTTV-----DYTLFESLCSKKDVRNFKAWFLPIMYSIICFXXXXXXXXXXXXXTYI 84  
DDY D T ++T + C K VR F + FLP +Y ++ Y

Sbjct: 15 DDYGYDATPSIEDYGNFTFTDLFCKKNHVRQFASHFLPPLYWLVFIVGAVGNSLVILVYW 74

Query: 85 YFKRLKTMTDITYLLNLAVADILFLLTLPFWAYSAAKSWVFGVHFCKLIFAIYKMSFFSGM 144  
Y R+KTMTD +LLNLA+AD+LFL+TLPFWA +AA W F CK++ ++YKM+F+S +

Sbjct: 75 YCTRVKTMMDMFLNLAIADLLFLVTLPFWAIAAADQWKQTFMCKVVNSMYKMFYSCV 134

Query: 145 LLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSVGSAILATVLSIPELLYSDLQRSSS 204  
LL++CIS+DRY+AI QA+ A R + LL SKL C ++A L IPELLYS Q

Sbjct: 135 LLIMCISVDRIYIAIAQAMRAQTWRQKRLLYSKLVCFTVWVMAAALCIPELLYS--QVKEE 192

Query: 205 EQAMRCSLI-----TEHVEAFITIQVQMVGFLVPLLAMSFCYLVIIIRTLLQARNFER 258  
C+++ T A +T++V ++GF +P + M+ CY +II TL+QA+ +



Sbjct: 193 HDIAICTMVYPSDESTNLKSAVLTCLKV---ILGFFLPFVVMACCYTIIHTLIQAKKSSK 249

Query: 259 NXXXXXXXXXXXXXXXXXQLPYNGVVLAAQTVANFNITSSTCELSKQLNIAVDVYSLACVR 318  
+ Q PYN V+L QT+ + + S+C +S ++I + VT ++A

Sbjct: 250 HKALKVTITVLTVFVLSQFPYNCVLLVQTIDAYTMFISSCAVSTNIDICFQVTQTIAFFH 309

Query: 319 CCVNPFLYAFIGVKFRNDIFKLFKDLGCLSSEQ 351  
C+NP LY F+G +FR D+ K K+LGC+SQ Q

Sbjct: 310 SCLNPVLYVVFVGERFRRDLVKTLKNLGCISQAQ 342

 >gi|41688290|dbj|EAD08644.1|  chemokine (C-C motif) receptor 9 isoform B [Sus :  
Length = 357

Score = 245 bits (626), Expect = 1e-63

Identities = 130/333 (39%), Positives = 191/333 (57%), Gaps = 16/333 (4%)

Query: 30 DDYIGDNTTV-----DYTLFESLCSKKDVRNFKAWFLPIMYSIICFXXXXXXXXXXXXXTYI 84  
DDY D T ++T + C K VR F + FLP +Y ++ Y

Sbjct: 3 DDYGYDATPSIEDYGNFTFTDLFCKKNHVRQFASHFLPPLYWLVFIVGAVGNSLVILVYW 62

Query: 85 YFKRLKTMTDITYLLNLAVADILFLLTLPFWAYSAAKSWVFGVHFCKLIFAIYKMSFFSGM 144  
Y R+KTMTD +LLNLA+AD+LFL+TLPFWA +AA W F CK++ ++YKM+F+S +

Sbjct: 63 YCTRVKTMMDMFLNLAIADLLFLVTLPFWAIAAADQWKQTFMCKVVNSMYKMFYSCV 122

Query: 145 LLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSVGSAILATVLSIPELLYSDLQRSSS 204  
LL++CIS+DRY+AI QA+ A R + LL SKL C ++A L IPELLYS Q



Sbjct: 123 LLIMCISVDRIYIAIAQAMRAQTWRQKRLLYSKLVCFTVWVMAAALCIPELLYS--QVKEE 180



Query: 205 EQAMRCSLI-----TEHVEAFITIQVAQMVGFLVPLLAMSFCYLVIIRTLLQARNFER 258  
 C+++ T A +T++V ++GF +P + M+ CY +II TL+QA+ +  
 Sbjct: 181 HDIAICTMVYPSDESTNLKSAVLTALKV---ILGFFLPFVVMACCYTIIHTLIQAKKSSK 237

Query: 259 NXXXXXXXXXXXXXXXXXQLPYNGVVLAQTVANFNITSSTCELSKQLNIAVDVYSLACVR 318  
 + Q PYN V+L QT+ + + S+C +S ++I + VT ++A  
 Sbjct: 238 HKALKVTITVLTVFVLSQFPYNCVLLVQTIDAYTMFISSCAVSTNIDICFQVTQTIAFFH 297

Query: 319 CCVNPFLYAFIVGKFRNDIFKLFKDLGCLSSEQ 351  
 C+NP LY F+G +FR D+ K K+LGC+SQ Q  
 Sbjct: 298 SCLNPVLYVFVGERFRDLVKTLKNLGCISQAQ 330

 >[gi|34853814|ref|XP\\_217862.2|](#)  similar to G protein-coupled receptor KY411 [Rat]  
 Length = 509

Score = 231 bits (590), Expect = 2e-59  
 Identities = 131/355 (36%), Positives = 201/355 (56%), Gaps = 13/355 (3%)

Query: 35 DNTTVDYTLFESL--CSKKDVRNFKAWFLPIMYSIICFXXXXXXXXXXTYIYFKRLKTM 92  
 D T DY++F CS ++VR+F F+PI YS+IC T+ ++K+ ++M  
 Sbjct: 155 DYTGSDYSMPETEPESLQEVDFTKVFPIAYSLICVFGLGNIMVITFAFYKKARSM 214



Query: 93 TDTYLLNLAVADILFLLTLPFWAYS-AAKSWVFGVHFCKLIFAIYKMSFFSGMLLLLCIS 151  
 TD YLLN+A+ DILF+LTLPFWA + A +W+FG CKL+ Y ++F GMLLL CIS  
 Sbjct: 215 TDVYLLNMAITDILFVLTLPFWAVTHATDTWIFGNMCKLMKGTAVNFNCGMLLACIS 274

Query: 152 IDRYVAIVQAVSAHRHRARVLLISKLSVGSAILATVLSIPELLYSDLQRSSEQAM--R 209  
 +DRY+AIVQA + R R+R L SK+ C+ ++ ++S P ++ + +  
 Sbjct: 275 MDRYIAIVQATKSFVRVSRTLTHSKVICLTWVFSIISSPTFFFNKQYKLQGRDVCEPQ 334

Query: 210 CSLITEHVEAFITIQVAQMVGFLVPLLAMSFCYLVIIRTLLQARNFERNXXXXXXXXXX 269  
 L++E + + +++ GF +PLL M FCYL II+TL+QA+N +R+  
 Sbjct: 335 YKLVSPEITWKLGMGLELLFGFFIPLLEMFVFCYLFIIKTLVQAQNSKRHRRAIRVVIADV 394

Query: 270 XXXXXQLPYNGVVLAQTVANFNITSSTCELSKQLNIAVDVYSLACVRCCVNPFLYAFI 329  
 Q+P+N +VL T AN +C K L A +V LA + CC+NP LYAFI  
 Sbjct: 395 LVFLACQIPHN-MVLLVTAANTGKMGRSCSAEKALAYARNVAEVLAFHCCCLNPVLYAFI 453

Query: 330 GVKFRNDIFKLFKDLGCLSSEQ-----LRQWSSCRHIRRSSMSVEAETTTTFS 377  
 G KFR+ K+ KD+ C+ ++ R +S R++S +VE + ++F+  
 Sbjct: 454 GQKFRSYFMKIMKDVWCMRRKSKVPTFFCARVYSESYISRQTSETVENDNASSFT 508

 >[gi|1668738|emb|CAB02144.1|](#)  G PROTEIN-COUPLED RECEPTOR CKR-L3 [Homo sapiens]  
[gi|2135142|pir|JC5068](#) G protein-coupled receptor CKR-L3 - human  
 Length = 369

Score = 229 bits (584), Expect = 1e-58  
 Identities = 130/352 (36%), Positives = 198/352 (56%), Gaps = 8/352 (2%)

Query: 29 TDDYIGDNTTVDYTLFES--LCSKKDVRNFKAWFLPIMYSIICFXXXXXXXXXXTYIYF 86  
 ++DY T Y++ LCS ++VR F F+PI YS+IC T+ ++  
 Sbjct: 10 SEDYFVSVNTSYYSVDSEMLLCSLQEVRFQSRFLVPIAYSLICVFGLGNILVVITFAFY 69

Query: 87 KRLKTMDDTYLLNLAVADILFLLTLPFWAYS-AAKSWVFGVHFCKLIFAIYKMSFFSGML 145

K+ ++MTD YLLN+A+ADILF+LTLPEFWA S A +WVF CKL+ IY ++F GML  
 Sbjct: 70 KKARSMTDVYLLNMAIADILFVLTLPFWAVSHATGAWVFSNATCKLLKGIYAINFNCGML 129

Query: 146 LLLCISIDRYVAIVQAVSAHRHRARVLLISKLSVGSAILATVLSIPELLYSDLQRSSSE 205  
 LL CIS+DRY+AIVQA + R R+R L SK+ C+ L+ ++S +++ +  
 Sbjct: 130 LLTCISMDRYIAIVQATKSFRLRSRTLPRSKIICLVVWGLSVIISSTFVFNQKYNTQGS 189

Query: 206 QAM--RCSLITEHVEAFITIQVQAMVIGFLVPLLAMSFCYLVIIRTLLQARNFERNXXXX 263  
 + ++E + + + +++ GF +PL+ M FCY I++TL+QA+N +R+  
 Sbjct: 190 DVCEPKYQTVSEPIRWKLLMLGLELLFGFFIPLFMIFCYTFIVKTLVQAQNSKRHKAIR 249

Query: 264 XXXXXXXXXXXXXQLPYNGVVLAAQTVANFNITSSSTCELSKQLNIAVDVTYSLACVRCCVNP 323  
 Q+P+N +VL T AN + +C+ K + VT LA + CC+NP  
 Sbjct: 250 VIIAVVLVFLACQIPHNL-MVLLVTAANLGMNRSCQSEKLIGYTKTVTEVLAFLHCCLNP 308

Query: 324 FLYAFIGVKFRNDIFKLFKDLGCLSQEQLRWSSCRHIRRSSMSVEAETTTT 375  
 LYAFIG KFRN K+ KDL C+ ++ SC R S ++ +T+ T  
 Sbjct: 309 VLYAFIGQKFRNYFLKILKDLWCVRKYKSSGFSC--AGRYSENISRQTSET 358

>gi|37188165|ref|NP\_113597.2| G chemokine (C-C motif) receptor 6 [Homo sapiens]  
 gi|37187860|ref|NP\_004358.2| G chemokine (C-C motif) receptor 6 [Homo sapiens]  
 gi|29825375|gb|AA092293.1| G chemokine (C-C motif) receptor 6 [Homo sapiens]  
 gi|23272703|gb|AAH37960.1| G Chemokine (C-C motif) receptor 6 [Homo sapiens]  
 gi|9453791|emb|CAB99328.1| G GD:CCR6 [Homo sapiens]  
 gi|2251211|gb|AAB62714.1| G GPR-CY4  
 gi|2851567|sp|P51684|CKR6 HUMAN G C-C chemokine receptor type 6 (C-C CKR-6) (CC-C  
 receptor) (GPR-CY4) (GPCY4) (Chemokine receptor-like 3)  
 (CKR-L3) (DRY6)  
 Length = 374

Score = 229 bits (584), Expect = 1e-58

Identities = 130/352 (36%), Positives = 198/352 (56%), Gaps = 8/352 (2%)

Query: 29 TDDYIGDNTTVDYTLFES--LCSKKDVRNFKAWFLPIMYSIICFXXXXXXXXXXXXTYIYF 86  
 ++DY T Y++ LCS ++VR F F+PI YS+IC T+ ++  
 Sbjct: 15 SEDYFVSVNTSYYSVDSEMLLCSLQEVQRQSRFLVPIAYSILCVFGLLGNILVVITFAFY 74

Query: 87 KRLKTMDDTYLLNLAVADILFLLTLPFWAYS--AAKSWVFGVHFECKLIFAIYKMSFFSGML 145  
 K+ ++MTD YLLN+A+ADILF+LTLPEFWA S A +WVF CKL+ IY ++F GML  
 Sbjct: 75 KKARSMTDVYLLNMAIADILFVLTLPFWAVSHATGAWVFSNATCKLLKGIYAINFNCGML 134

Query: 146 LLLCISIDRYVAIVQAVSAHRHRARVLLISKLSVGSAILATVLSIPELLYSDLQRSSSE 205  
 LL CIS+DRY+AIVQA + R R+R L SK+ C+ L+ ++S +++ +  
 Sbjct: 135 LLTCISMDRYIAIVQATKSFRLRSRTLPRSKIICLVVWGLSVIISSTFVFNQKYNTQGS 194

Query: 206 QAM--RCSLITEHVEAFITIQVQAMVIGFLVPLLAMSFCYLVIIRTLLQARNFERNXXXX 263  
 + ++E + + + +++ GF +PL+ M FCY I++TL+QA+N +R+  
 Sbjct: 195 DVCEPKYQTVSEPIRWKLLMLGLELLFGFFIPLFMIFCYTFIVKTLVQAQNSKRHKAIR 254

Query: 264 XXXXXXXXXXXXXQLPYNGVVLAAQTVANFNITSSSTCELSKQLNIAVDVTYSLACVRCCVNP 323  
 Q+P+N +VL T AN + +C+ K + VT LA + CC+NP  
 Sbjct: 255 VIIAVVLVFLACQIPHNL-MVLLVTAANLGMNRSCQSEKLIGYTKTVTEVLAFLHCCLNP 313

Query: 324 FLYAFIGVKFRNDIFKLFKDLGCLSQEQLRWSSCRHIRRSSMSVEAETTTT 375  
 LYAFIG KFRN K+ KDL C+ ++ SC R S ++ +T+ T  
 Sbjct: 314 VLYAFIGQKFRNYFLKILKDLWCVRKYKSSGFSC--AGRYSENISRQTSET 363

>gi|47221187|emb|CAG05508.1| unnamed protein product [Tetraodon nigroviridis]  
Length = 277

Score = 229 bits (584), Expect = 1e-58

Identities = 117/252 (46%), Positives = 164/252 (65%), Gaps = 2/252 (0%)

Query: 88 RLKTM TD TYLLNLAVADILFLLTLPFWAYSAAKSWVFGVHFCKLIFAIYKMSFFSGM LLL 147  
RLKTM TD YLLNLAVAD+LFL TLPF A A K W FG+ CK + A+Y+++FFSGM LLL  
Sbjct: 23 RLKTM TDVYLLNLAVADLLFLCTLPFLAVEAIKYWNFGLALCKTVLAVYRINFFSGM LLL 82

Query: 148 LCISIDRYVAIVQAVSAHRHRARVLLISKLS CVGSAILATVLSIPELLYSDLQRSSEQA 207  
CIS+DRY++IVQ A + + L SKL C+ +++T+L++PE +Y+ ++ +Q+  
Sbjct: 83 TCISVDRIYISIVQVTKAQNTKKQRLFW SKLICLIVVWVSTLLALPEFIYARVKTQRDQS 142

Query: 208 MRCSLITEHVEAFITIQV--AQMVIGFLVPLLAMSFCYLVIIR TLLQARNFERNXXXXXX 265  
+ + ++ E I I V Q+ +GF +PL+ M FCY V+IR TLLQARNF+++  
Sbjct: 143 LCTLIYWDNSENQIKILVLSIQICMGFWLPLVMVIFCYSVVIR TLLQARNFQKHKALRVI 202

Query: 266 XXXXXXXXXXXXQLPYNGV VLAQT VANFNITSSTCELSKQLNIAYDVTYSLACVRCCVNPFL 325  
QLPYN +++ +T N T S+CE L +A +T SLA C+NPFL  
Sbjct: 203 FAVVLV FVLSQLPYNSLLIFETTQAANTMSSCETRINLELAKQITKSLAYAHACLNPFL 262

Query: 326 YAFIGVKFRNDI 337  
YAFIGV+FR D+  
Sbjct: 263 YAFIGVRFRQDL 274

>gi|55627742|ref|XP\_527565.1| PREDICTED: chemokine (C-C motif) receptor 6 [Par]  
Length = 522

Score = 228 bits (582), Expect = 2e-58

Identities = 130/352 (36%), Positives = 197/352 (55%), Gaps = 8/352 (2%)

Query: 29 TDDYIGDN TTV DYT LFES--LCSKKDVRNFKAWFLPIMYSIICFXXXXXXXXXXXXTYIYF 86  
++DY T Y++ LCS ++VR F F+PI YS+IC T+ ++  
Sbjct: 163 SEDYFVSVNTSYYSVDSETLLCSLQEV RQFSRLFVPIAYS LICVFGLLGNILVVITFAFY 222

Query: 87 KRLKTM TD TYLLNLAVADILFLLTLPFWAYSAAKS-WVFGVHFCKLIFAIYKMSFFSGM L 145  
K+ ++MTD YLLN+A+ADILF+LTLPFWA S A WVF CKL+ IY ++F GML  
Sbjct: 223 KKARSMTDVYLLNMAIADILFVL TLPFWAVSHATGVWVFSNATCKLLKGIYAINFNCGML 282

Query: 146 LLLCISIDRYVAIVQAVSAHRHRARVLLISKLS CVGSAILATVLSIPELLYSDLQRSSE 205  
LL CIS+DRY+AIVQA + R R+R L SK+ C+ L+ ++S +++ +  
Sbjct: 283 LLTCISMDRYIAIVQATKSFRLRSRTLPRSKIICLVVWGLSVIISSTFVFNQKYNTQGS 342

Query: 206 QAM--RCSLITEHVEAFITIQVAQMVIGFLVPLLAMSFCYLVIIR TLLQARNFERNXXXX 263  
+ ++E + + + +++ GF +PL+ M FCY I++TL+QA+N +R+  
Sbjct: 343 DVCEPKYQTVSEPIRWKLLMLGLELLFGFFIPLMFMIFCYTFIVKTLVQAQNSKRHKAIR 402

Query: 264 XXXXXXXXXXXXQLPYNGV VLAQT VANFNITSSTCELSKQLNIAYDVTYSLACVRCCVNP 323  
Q+P+N +VL T AN + +C+ K + VT LA + CC+NP  
Sbjct: 403 VIIAVVLVFLACQIPH N-MVLLVTAANLGKMNRSQCSEKLIGYTKTVTEVLAFLHCCLNP 461

Query: 324 FLYAFIGVKFRNDIFKLFKDLGCLSQEQLRQWSSCRHRRSSMSVEAETTTT 375  
LYAFIG KFRN K+ KDL C+ ++ SC R S ++ +T+ T